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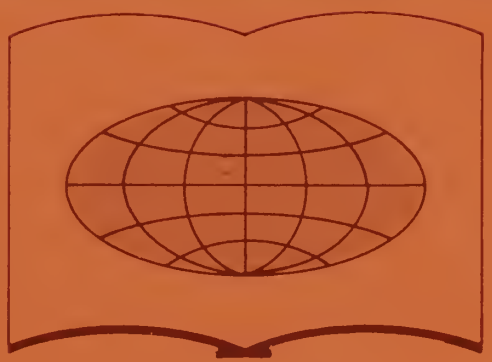

Volume 4 Number 22
October 25, 1968

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PESTICIDES DOCUMENTATION BULLETIN

Volume 4
October 25, 1968
Number 22

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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Chrysomelidae, Insect taxonomy, Zoogeography. English abstract

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ON THE SYSTEMATIC ORIENTATION OF LYSANDRA CORIDON F. POLONUS (LEP., LYCAENIDAE). (GE)
R Jicha
Entomol Z 78(21):242-244
01 Nov 1968 421 EN85
Butterflies, Insect taxonomy, Lepidoptera, Lycaenidae.

20210-68
A NOTE ON QUEDIUS BOOPOIDES MUNSTER AND Q. UMBRINUS AUCTT. BRIT. (COL. STAPHYLINIDAE).
C Johnson
Entomol Mon Mag 102(1229-1231):283-284
Oct 1966 421 EN86
Insect dissemination, Quedius, Zoogeography.

20211-68
ON THE SYSTEMATIC POSITION OF THE GENERA MICRODONATIA BLACKBURN (COL. CHRYSOMELIDAE). (FR)
P Jolivet
Munich Mus G Frey Entomol Arb 19:188-192 REF
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect taxonomy. English abstract

20212-68
THE COMPLEX OF TIMARCHA SCABRIPENNIS FAIRMAIRE FROM MAROCCO (COL. CHRYSOMELIDAE). (FR)
P Jolivet
Munich Mus G Frey Entomol Arb 19:229-236 MAP, REF
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy, Zoogeography. English abstract

20213-68
CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS SYACHIS F. BATES (COLEOPTERA, TENEBRIONIDAE). (GE)
Z Kazab
Munich Mus G Frey Entomol Arb 19:296-299
01 Jun 1968 420 M923
Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidae.

20214-68
NOTES ON THE TAXONOMY OF CULICOIDES FROM LOUISIANA (DIPTERA: CERATOPOGONIDAE).
Khalaf
Kans Entomol Soc J 39(2):227-230
Apr 1966 420 K13
Culicoides, Insect identification, Insect taxonomy, Research.

20215-68
MAIN RESULTS AND DIRECTIONS OF PROTOZOOLOGICAL STUDIES IN THE USSR. (rus)
E M Kheissin
Zool Zhur 46(11):1603-1629 REF
Nov 1967 410 R92
Animal diseases, Parasitism, Protozoa, Taxonomy. English summary
Abstract

20216-68
A REVISION OF THE SPECIES OF CISTHENE KNOWN TO OCCUR NORTH OF THE MEXICAN BORDER (LEPIDOPTERA: ARCTIIDAE: LITHOSIINAE).
C B Knowlton
Amer Entomol Soc Trans 93(1):41-100 REF
Mar 1967 420 P53
Lepidoptera, Taxonomy, Zoogeography.

20217-68
A LIST OF EPHEMEROPTERA IN THE ENTOMOLOGY MUSEUM AT MICHIGAN STATE UNIVERSITY.
R W Koss
Eatonia 9:2-6
06 Dec 1968 432 EA82
Catalogs, Ephemeroptera.

20218-68
STUDIES OF THE MEXICAN DELTOCEPHALINAE: ALIGIA AND SOME NEW APPLIED GENERA AND SPECIES (HOMOPTERA: CICADELLIDAE).
J P Kramer D M DeLong
Ohio J Sci 68(3):169-175
May 1968 410 OH3
Cicadellidae, Homoptera, Research, Taxonomy.

20219-68
A NEW GENUS AND SPECIES OF PSENINI FROM THE SOUTHWESTERN DESERTS (HYMENOPTERA, SPHECIDAE).
K U Krombein
Brooklyn Entomol Soc Bull 54(1):18-21
Feb 1959 420 B79
Insect anatomy, Insect genetics, Insect taxonomy, Psenini.

20220-68
BIOLOGICAL NOTES ON SEVERAL SOUTHWESTERN GROUND-NESTING WASPS (HYMENOPTERA, SPHECIDAE).
K V Krombein
Brooklyn Entomol Soc Bull 55(3):75-79
Jun 1960 420 B79
Hymenoptera, Insect genetics, Insect taxonomy, Sphecidae.

20221-68
HOST RECORDS FOR SOME NORTH AMERICAN POMPILIDAE (HYMENOPTERA) WITH A DISCUSSION OF FACTORS IN PREY SELECTION.
F E Kurczewski E J Kurczewski
Kans Entomol Soc J 41(1):1-33 REF
Jan 1968 420 K13
Geography, Morphology, Pompilidae, Priocnemis, Research.

20222-68
THE NOCTURNAL INSECT CATCHES AT PREDETERMINED TIME INTERVAL IN THE ORGANIC SOIL DISTRICT OF STE. CLOTILDE, SOUTHWESTERN QUEBEC.
J Lafrance
Entomol Soc Quebec Ann 13(1):32-53
Jan 1968 420 EN822
Coleoptera, Insect dissemination, Lepidoptera, Light traps, Research, Social insects, Soil organic matter, Temperature. French summary

20223-68
BUTTERFLIES; COLLECTING AND PREPARATION. ED 2. QL465.L32. (da
T W Langer
86P
1968
Butterflies, Insect collecting equipment.

20224-68
SCORPIONS OF MOROCCO. (FR)
Y Le Corroller
Inst Pasteur Algerie Arch 45:62-71 REF
1967 448.3 IN7A
Insect taxonomy, Scorpionida, Zoogeography.
The zoogeography of the scorpion fauna in Morocco is listed, with five species specific to the area.

20225-68
A NEW SCHIZAPHIS OF SOUTHERN FRANCE (HOM. APHIDIDAE). (FR)
L Leclant
Soc Entomol France Ann 03(2):451-457
1967 420 F84
Aphididae, Insect taxonomy. English abstract

20226-68
MIGRATING LEPIDOPTERA IN THE NETHERLANDS IN 1966. (DU)
B J Lempke
Entomol Ber 27(12):226-240
01 Dec 1967 420 N38B
Insect migration, Lepidoptera, Netherlands. English abstract
This is a report on migrating Lepidoptera in the Netherlands in 1966. The monthly recordings of 25 species are discussed.

20227-68
THE APHIDS THAT FEED ON CACTI.
M D Leonard
Brooklyn Entomol Soc Bull 55(3):64-66
Jun 1960 420 B79
Aphididae, Habitats, Insect identification, Mammillaria, Melocactus.

20228-68
NEW GENERA AND SPECIES OF STAPHLINIDAE IN AFRICA. (FR)
L Levasseur
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A):29(3):954-977
Jul 1967 515 D14
Catalogs, Insect taxonomy, Staphylinidae.

20229-68
A NEW SPECIES OF STAPHYLININAE IN THE IVORY COAST, SUDAN AND KATANGA. (FR)
L Levasseur

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1624-1644
Oct 1967 515 D14
Insect taxonomy, Staphylinidae, Zoogeography.

20230-68
THE USE OF FLUORESCENT TUBES IN A MODIFIED NEW JERSEY LIGHT TRAP.
L A Lewis L W Teller
N J Mosquito Exterm Ass Proc 54:163-170
Mar 1967 420 N46
Culicidae, Fluorescent lamps, Light traps, Research.

20231-68
TWO NEW LEAF-HOPPERS OF THE GENUS HANDIANUS (HOMOPTERA, CICADELLIDAE). (RUS)
V N Logvinenko
Zool Zhur 46(11):1720-1721
Nov 1967 410 R92
Cicadellidae, Insect taxonomy.

Abstract

20232-68
CHIGGER MITES ON SMALL MAMMALS OF SPAIN. (PSORERGATIDAE: TROMBIDIFORMES). (GE)
F S Lukoschus
Rev Iberica Parasitol 27(3-4):203-224 REF
Jul 1967 436.8 R32
Insect pests, Insect taxonomy, Mammals, Parasitism, Psorergates, Surveys, Trombiculidae, Zoogeography. German, Spanish and English summaries

Abstract

20233-68
FIVE WEEVILS NEW TO SWEDEN (COL. CURCULIONIDAE). (SW)
S Lundberg F Olsson
Entomol Tidskr 89(1-2):74-76
10 Aug 1968 421 EN891
Curculionidae, Insect taxonomy, Zoogeography. English abstract

20234-68
REVISION OF THE GENUS THEONE GISTL (COLEOPTERA, CHRYSOMELIDAE, GALERUCINAE). (GE)
K Mandl
Munich Mus G Frey Entomol Arb 19:5-31 REF
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect identification. German abstract

20235-68
SYSTEMATIC NOMENCLATURE OF THE HITHERTO PRIVATE PUBLICATION OF MACROLEPIDOPTERA OF THE SAARLANDS. (GE)
H Martin W Schmidt-Koehl
Entomol Z 78(8):81-92
15 Apr 1968 421 EN85
Insect taxonomy, Lepidoptera.

20236-68
NEW CANADIAN CRYPTINAE (ICHNEUMONIDAE: HYMENOPTERA).
W R M Mason
Can Entomol 100(1):17-23
Jan 1968 421 C16
Cryptinae, Diprionidae, Ichneumonidae, Insect taxonomy, Lepidoptera, Mastrus laplantei, Parasitic insects. M. laplantei n. sp. attacking Diprionidae and Lepidoptera; Cryptus leechi and Mediphron dytiscivorus, n. spp.

20237-68
PRESENCE IN GAUDELOUPE OF THE ORNITHODOROS ALECTOROBIUS PUERTORICENSIS (FOX, 1947) (ACARINA: IXODOIDEA). (FR)
P C Morel P Fauran
Acorologia 9(2):338-340
Jul 1967 434.8 AC1
Argasidae, Ornithodoros, Parasitic insects, Rodents, Zoogeography.

20238-68
SOME GENERIC DESCRIPTIONS AND NAME CHANGES IN THE FAMILY PHYTOSEIIDAE (ACARINA:MESOSTIGMATA).
M H Muma H A Denmark
Fla Entomol 51(4):229-240 REF
Dec 1968 420 F662
Catalogs, Mesostigmata, Phytoseiidae. Taxonomy. English abstract

20239-68
MISSOURI DISTRIBUTION OF SPECIES OF HYPERA (COLEOPTERA: CURCULIONIDAE).
R E Munson W R Enns
Kans Entomol Soc J 41(2):266-270 MAP
Apr 1968 420 K13
Coleoptera, Curculionidae, Hypera, Insect dissemination.

20240-68
ENTOMOCAENOLOGICAL AND BIOLOGICAL STUDIES IN ROSA DAMASCENA MILL. PLANTATIONS. I. LEPIDOPTERA.
V Nikolova
Bulgarska Akad Nauk Zool Inst Muz Izv 25:127-128
1967 410.9 B872I
Catalogs, Lepidoptera, Parasitic insects, Rosa, Rosaceae, Seasonal variation. English abstract

20241-68
THE GENUS XYLEBORUS EICHHOFF (COLEOPTERA, SCOLYTIDAE). SUPPLEMENT, CORRECTION AND ENLARGEMENT OF THE DIAGNOSIS. PART III. (ge)
M Nunberg
Munich Mus G Frey Entomol Arb 19:272-279
01 Jun 1968 420 M923
Catalogs, Coleoptera, Diagnosis, Insect identification, Insect taxonomy, Scolytidae.

20242-68
NOTES ON THE GENUS HOMONOPSIS V. KUZNETSOV (LEPIDOPTERA, TORTRICIDAE).
N S Obraztsov
Entomol Ber 27(9):173-175
01 Sep 1967 420 N38B
Insect taxonomy, Lepidoptera, Tortricidae.

20243-68
A TAXONOMIC STUDY OF SOME GENERA OF THE ETHIOPIAN MIRIDAE (HEMIPTERA).
T R Odhiambo
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1655-1687
Oct 1967 515 D14
Insect taxonomy, Miridae, Zoogeography.

20244-68
ON NEW COLLEMBOLA SPECIES FROM YUGOSLAVIA. (GE)
A Palissa
Deut Entomol Z 15(4-5):389-398
01 Oct 1968 421 D48
Collembola, Insect taxonomy.

20245-68
KNOWN AND UNKNOWN SCARABAEIDAE (HYBOSORINAE, TROGINAE, ORPHNINAE, DYNAMOPINAE, GEOTRUPINAE, AEGIALIINAE). (GE)
R Petrovitz
Munich Mus G Frey Entomol Arb 19:179-187
01 Jun 1968 420 M923
Catalogs, Coleoptera, Insect identification, Scarabaeidae, Zoogeography.

20246-68
AFRICAN SPECIES OF THE GENUS GLARESIS ERICHSON AND ONE IN A CLOSELY RELATED NEW GENUS (TROGINAE, SCARABAEIDAE, COLEOPTERA). (GE)
R Petrovitz
Munich Mus G Frey Entomol Arb 19:257-271
01 Jun 1968 420 M923
Catalogs, Coleoptera, Insect identification, Insect taxonomy, Scarabaeidae.

20247-68
INFORMATION ON GERMAN FLEAS. I. ON THE TAXONOMY OF THE BIRD FLEAS (INSECTA, SIPHONAPTERA). (GE)
F Peus
Deut Entomol Z 14(1-2):81-108 REF
01 Jun 1967 421 D48
Birds, Insect taxonomy, Siphonaptera, Zoogeography. German abstract

20248-68
NOTES ON THE MUSCIDAE OF NEW GUINEA (DIPTERA). IV. SPECIES DESCRIBED BY STEIN FROM 1910 TO 1920.
A C Pont
Entomol Ber 28(9):166-174
01 Sep 1968 420 N38B
Catalogs, Diptera, Insect taxonomy, Muscidae. English abstract

20249-68
A CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO. (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LVI. ORTHOPTERA TETTIGONIIDAE (FIRST NOTE). (FR)
D R Ragge
Inst Fondamentol Afr Noire Bull Ser A Sci Natur (SER A)29(3):1270-1277
Jul 1967 515 D14
Catalogs, Insect taxonomy, Tettigoniidae.

20250-68
THE GENUS DERMACENTOR (IXODIDES) IN NEBRASKA.
W F Rapp
Entomol News (philodelphio) 71(8):217-219 MAP
Oct 1960 421 EN88
Dermacentor, Entomology, Insect taxonomy, Zoogeography.

20251-68
CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS MEGACHILE LATR. (HYM. APIDAE): SUBGENUS EUTRICHARAEA AND ITS HITHERTO KNOWN SPECIES. (GE)
O Rebmann
Deut Entomol Z 15(1-3):21-48
15 Jul 1968 421 D48
Apidae, Catalogs, Hymenoptera, Insect identification, Insect taxonomy, Megachilidae.

20252-68
STUDY OF THROMBIDIIDAE LARVE. I. THE LARVA OF THROMBIDIUM MEDITERRANEUM BERLESE, 1910. (FR)
P Robaux
Acarologia 9(2):395-410 REF
Jul 1967 434.8 AC1
Insect biology, Insect taxonomy, Larvae, Trombidiidae.

20253-68
PHYCITINEN--STUDY IV. (LEP., PYRALIDAE). (GE)
U Roesler
Entomol Z 78(20):225-239
15 Oct 1968 421 EN85
Insect taxonomy, Pyralidae.

This is the new system of classification for German Phycitinae using four tribes, Cryptoblabini, Phycitini with two suhtribes, Cabniini and Anerastiini. Male and female genitalia are described for each tribe and subtribe.

20254-68
THE COLLECTION OF DR. M. GAILLARD IN KOLDA, SENEGAL. ORTHOPTERA AND CLOSELY RELATED ORDERS. (FR)
R Roy
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1538-1567 REF
Oct 1967 515 D14

Acarina, Dermaptera, Gryllidae, Insect taxonomy, Orthoptera, Planipennia, Zoogeography.

20255-68
A NEW SPECIES OF GLAUCIAS KIRKALDY FROM NEW GUINEA HETEROPTERA: PENTATOMIDAE).
H Ruckes
Brooklyn Entomol Soc Bull 54(4):101-103
Oct 1959 420 B79
Heteroptera, Insect anatomy, Insect taxonomy, Pentatomidae.

20256-68
CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LX COLEOPTERA SCARABAEIDAE (CETONIINAE, TRICHIINAE AND VALGINAE). (FR)
G Ruter
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1299-1310
Jul 1967 515 D14
Catalogs, Insect taxonomy, Scarabaeidae.

20257-68
NEW SPECIES OF BANASA FROM THE CARIBBEAN AREA AND COMMENTS ON THE STATUS OF SCHRADERI SAILER (HEMIPTERA: PENTATOMIDAE).
R I Sailer
Brooklyn Entomol Soc Bull 54(3):87-94
Jun 1959 420 B79
Hemiptera, Insect anatomy, Insect taxonomy, Pentatomidae.

20258-68
THE SYSTEMATICAL PLACEMENT OF SOME GELECHIIDAE. (LEPIDOPTERA). (GE)
K Sattler
Deut Entomol Z 15(1-3):111-131 REF
15 Jul 1968 421 D48
Gelechiidae, Insect taxonomy, Lepidoptera, Moths, Zoogeography.

20259-68
STUDIES ON THE MACROLEPIDOPTERA FAUNA OF THE SAARLANDS. (GE)
W Schmidt-Koehl
Entomol Z 78(6):57-71 REF
15 Mar 1968 421 EN85
Insect taxonomy, Macrolepidoptera.

20260-68
ON THE ORTHOCLADIINAE GENUS HELENIELLA GOWIN (DIPTERA, CHIRONOMIDAE). (FR)
B Serra-Tosio
Deut Entomol Z 14(1-2):153-162
01 Jun 1967 421 D48
Chironomidae, Diptera, Insect taxonomy. French abstract

20261-68
BIOLOGY OF MELANOZETES MOLLICOMUS (KOCH) (ORIBATEI, CERATOZETIDAE). (RUS)
E S Shaldybina
Zool Zhur 46(11):1659-1667 REF
Nov 1967 410 R92
Ceratozetidae, Insect morphology, Melanozetes, Metamorphosis, Oribatei. English summary
Abstract

20262-68
THE CULEX PIPIENS FATIGANS PROBLEM IN SOUTH-EAST ASIA. WITH SPECIAL REFERENCE TO URBANIZATION.
D Singh
World Health Organ Bull 37(2):239-243 REF
1967 449.9 W892B
Breeding, Culex pipiens quinquefasciatus, Demography, Filariasis, Human diseases, Insect physiology, Population statistics, Sanitation, Urbanization. Summary in French

20263-68
A NEW TENEBRIONID GENUS AND SPECIE FROM CENTRAL ASIA (COLEOPTERA-TENEBRIONIDAE-PIMELIINI). (GE)
N G Skopin
Munich Mus G Frey Entomol Arb 19:300-304
01 Jun 1968 420 M923
Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidae.

20264-68
CONTRIBUTION TO THE STUDY OF LYCAENIDAE OF TROPICAL AND EQUATORIAL AFRICA. (FR)
H Stempffer
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):978-1000
Jul 1967 515 D14
Catalogs, Insect taxonomy, Lycaenidae.

20265-68
A REPORT ON THE BLACKFLIES (SIMULIIDAE) OF DELAWARE. II. DESCRIPTION AND DISCUSSION OF BLACKFLY HABITATS.
D W S Sutherland R F Darsie
Brooklyn Entomol Soc Bull 55(3):53-61 REF MAP
Jun 1960 420 B79
Habitats, Insect collecting equipment, Insect taxonomy, Research, Simuliidae.

20266-68
THE MALE GENITALIA OF DROSOPHILA POPULI WHEELER AND THROCKMORTON (DIPTERA; DROSOPHILIDAE).
H Takada
Brooklyn Entomol Soc Bull 55(5):144-
Dec 1960 420 B79
Diptera, Drosophilidae, Insect anatomy, Insect genetics, Reproductive organs.

20267-68
THE TACHINIDS OF TRINIDAD. VIII. PHOROCERINES.
W R Thompson
Entomol Soc Can Mem 56:207P. REF
1968 420 EN824
Entomology, Tachinidae, Taxonomy, Zoogeography. Memoirs of Entomological Socicty of Canada

20268-68
THE GENUS MUCROBEROTHA TJED. AND ITS SYSTEMATIC POSITION (NEUROPTERA).
B Tjeder
89(1-2):3-18 MAP
10 Aug 1968
Catalogs, Insect taxonomy, Neuroptera, Zoogeography. English abstract

20269-68
THREE SPECIES OF PROCTOLAELAPS (ACARINA, MESOSTIGMATA) FROM NOCTUID MOTHS.
A E Treat L Niederman
Amer Mus Novitates 00(2312):1-12 REF
30 Nov 1967 500 N4830N
Lepidoptera, Mites, Noctuidae, Proctolaelaps, Taxonomy.

20270-68
HISPINAE FROM THE G FREY MUSEUM. PART 5. 231. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE (COLEOPT. CHRYSOMELIDAE). (GE)
E Uhmann
Munich Mus G Frey Entomol Arb 19:248-253
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy.

20271-68
THE HEMIPTERA CIMICIDAE NEW TO CENTRAL AFRICA. (FR)
R L Usinger J Carayon
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER.A)29(4)YHFWW—E&XH
Oct 1967 515 D14
Cimicidae, Insect taxonomy.

20272-68
THE LARGE SCORPION OF SENEGAL: PANDINUS GAMBIENSIS, POCOCK 1899 SHOULD BE CONSIDERED AS A TRUE SPECIES AND NOT A SUB-SPECIES OF PANDINUS IMPERATOR C. L. KOCH 1842. (FR)
M Vachon
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1534-1537
Oct 1967 515 D14
Insect taxonomy, Scorpionida.

20273-68
CONTRIBUTION TO THE STUDY OF DIPTEROUS MALACOPHAGES VI. PHERBELLIA FUSCIPES (MACQUART, 1835), A VALID PALEARCTIC SPECIES, SIMILAR TO P. DORSATA (ZETTERSTEDT, 1846) (DIPTERA SCIOMYZIDAE). (FR)
J Verbeke
Inst Roy Sci Natur Belgique Bull 43(40):1-9
31 Dec 1967 504 B8350B
Diptera, Insect identification, Palearctic Region, Sciomyzidae, Zoogeography. French abstract

20274-68
CONTRIBUTION TO THE STUDY OF DIPTERA MALACOPHAGE. IV. IDENTIFICATION OF PHERBELLIA OBTUSA (FALLEN) (1820) AND THE DESCRIPTION OF A NEW PALEARCTIC SPECIES PHERBELLIA ARGYRA SP. N. (DIPTERA, SCIOMYZIDAE).
J Verbeke
Inst Roy Sci Natur Belgique Bull 43(6):1-9 MAP
10 Apr 1967 504 B8350B
Diptera, Insect biology, Insect taxonomy, Larvae, Parasitism, Pherbellia argyra, Pherbellia obtusa, Sciomyzidae, Zoogeography. French summary

20275-68
NEOSCHOENGASTIA BREVIPALPIS ANDRE 1946 IS A TRUE CHELADONTA (ACARINA, TROMBICULIDAE).
P H Vercammen-Grandjean M Andre
Acarologia 9(2):411-414 REF
Jul 1967 434.8 AC1
Insect taxonomy, Trombiculidae. English abstract

20276-68
ON THE COMPOSITION OF SOME TRIBES OF THE SUBFAMILY PIMPLINAE (HYMENOPTERA, ICHNEUMONIDAE). (RUS)
G A Viktorov
Zool Zhur 46(11):1676-1683 REF
Nov 1967 410 R92
Ichneumonidae, Insect taxonomy, Larvae. English summary
Abstract

20277-68
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES LXVII. HEMIPTERA PENTATOMIDAE. (FR)
A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1784-1811)
Oct 1967 515 D14
Catalogs, Insect taxonomy, Pentatomidae, Zoogeography.

20278-68
CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LVIII. COLEOPTERA PASSALIDAE. (FR)
M A Vulcano P F S Pereira
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1287-1290
Jul 1967 515 D14
Catalogs, Insect taxonomy, Passalidae.

20279-68
A NEW SUBGENUS AND TWO NEW SPECIES OF PSEUDIASTATA COQUILLET (DIPTERA, DROSOPHILIDAE).

M R Wheeler
Brooklyn Entomol Soc Bull 55(3):67-70
Jun 1960 420 B79
Diptera, Drosophilidae, Insect anatomy, Insect taxonomy.

20280-68
NOTES ON ALASKAN DROSOPHILIDAE (DIPTERA), WITH THE DESCRIPTION OF A NEW SPECIES.
M R Wheeler L H Throckmorton
Brooklyn Entomol Soc Bull 55(5):134-143 MAP
Dec 1960 420 B79
Chymomyza, Diptera, Drosophilidae, Habitats, Insect identification, Insect taxonomy, Scaptomyza.

20281-68
THE TRICORYNUS OF MEXICO (COLEOPTERA: ANOBIIDAE).
R E White
Amer Entomol Soc Trans 93(1):1-40 REF
Mar 1967 420 P53
Anobiidae, Coleoptera, Indexing, Taxonomy.

20282-68
FIG WASPS FROM ISRAELI FICUS SYCOMORUS AND RELATED EAST AFRICAN SPECIES (HYMENOPTERA, CHALCIDOIDEA). 2. AGAONIDAE (CONCLUDED) AND SYCOPHAGINI.
J T Wiebes
Leiden Rijksmus Natuur Hist Zool Mededel 42(28):307-320 MAP REF
25 Sep 1968 410.9 L59
Chalcididae, Hymenoptera, Insect taxonomy.

20283-68
A REVISION OF THE NEOTROPICAL BITING MIDGES OF THE HYLAS GROUP OF CULICOIDES (DIPTERA, CERATOPOGONIDAE).
W W Wirth F S Blanton
Fla Entomol 51(4):201-215 REF
Dec 1968 420 F662
Ceratopogonidae, Culicoides, Insect taxonomy, Neotropical Region. English abstract

20284-68
THE GENUS PELLUCIDOMYIA MACFIE (DIPTERA, CERATOPOGONIDAE).
W W Wirth
Brooklyn Entomol Soc Bull 55(1):1-3
Feb 1960 420 B79
Ceratopogonidae, Diptera, Insect anatomy, Insect taxonomy.

20285-68
PACHYHELEA, A NEW GENUS OF AMERICAN CERATOPOGONIDAE RELATED TO PALPOMYIA (DIPTERA).
W W Wirth
Brooklyn Entomol Soc Bull 54(2):50-52
Apr 1959 420 B79
Ceratopogonidae, Insect anatomy, Insect taxonomy.

20286-68
THE GENUS PARADASYHELEA MACFIE, WITH DESCRIPTIONS OF TWO NEW SPECIES FROM EASTERN AUSTRALIA (DIPTERA: CERATOPOGONIDAE).
W W Wirth D J Lee
Brooklyn Entomol Soc Bull 54(4):114-121
Oct 1959 420 B79
Ceratopogonidae, Diptera, Insect anatomy, Insect taxonomy, Pupae.

20287-68
A NEW SPECIES OF OSBORNIELLA (MALLOPHAGA: MENOPONIDAE) FROM TRINIDAD.
J S Wiseman
Kans Entomol Soc J 39(2):355-356
Apr 1966 420 K13
Insect identification, Insect taxonomy, Osborniella, Research.

20288-68
NEW DANISH LEAFROLLER, LASPEYRESIA CONICOLANA HEYLAERTS (LEP., TORTR.). (DA)
N L Wolff
Entomol Medd 35(1):23-25
25 May 1967 421 EN82
Insect taxonomy, Olethreutidae, Zoogeography. English abstract

20289-68
FURTHER NOTES ON SOME HEMIPTERA AND COLEOPTERA FROM THE ISLES OF SCILLY.
G E Woodroffe
Entomol Mon Mag 102(1229-1231):285-286
Oct 1966 421 EN86
Coleoptera, Heteroptera, Homoptera.

20290-68
EVENING CREPUSCULAR ACTIVITY OF SOME IOWAN MOSQUITOES (DIPTERA: CULICIDAE).
R E Wright K L Knight
Kans Entomol Soc J 41(1):45-47
Jan 1968 420 K13
Aedes, Anopheles, Culex, Light traps, Research, Suction traps.

20291-68
PRELIMINARY REPORT ON OLFACTORY NEURONS SPECIFIC TO THE SEX PHEROMONE OF THE AMERICAN COCKROACH. (JA)
M Yamada S Ishii Y Kuwahara
Botyu-kagaku 33(2):37-39
May 1968 421 B65
Electrodes, Electrophysiology, Laboratories, Periplaneta americana, Research.

20292-68
A NEW SPECIES OF THE GENUS CEPHALCIA PANZER, 1805 (HYMENOPTERA: SYMPHYTA, PAMPHILIIDAE).
L Zombori
Acta Zool (budapest) 13(3-4):459-464 REF
1967 410 AC85
Cephalcia, Hymenoptera, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

20293-68
OOSTATIC HORMONE PRODUCTION IN HOUSEFLIES, MUSCA DOMESTICA, WITH DEVELOPING OVARIES.
T S Adams A M Hintz J G Pomonis
J Insect Physiol 14(7):983-993 REF
Jul 1968 421 J825
Insect eggs, Insect morphology, Insect physiology, Musca domestica, Ovaries, Reproduction.

20294-68
SANITARY LEGISLATION OF THE WELL KNOWN CONTAGIOUS DISEASES OF BEES IN FRANCE; LOQUES, ACARINE DISEASE, NOSEMA DISEASE. (FR
P Alliaud
Lyon Ecole Nat Vet These 2:84P.
18 Jan 1967 41.2 L99
Acarine disease, Agricultural regulation, Bees, Infectious diseases, Insect diseases, Legislation, Nosema disease.

20295-68
INFLUENCE OF BIRDS ON THE OAK LEAF ROLLER (TORTRIX VIRIDANA L.): SYNECOLOGICAL INVESTIGATIONS OF THE CROWN FAUNA OF AN OAK–HORN BEAM FORREST (PART II). (ge)
W Altenkirch
Z Angew Zool 55(1):1-69 REF
1968 449.8 Z36
Attractants, Birds, Ecology, Insect ecology, Predatory birds, Quercus, Tortricidae. English and german abstracts

20296-68
STUDIES ON THE SPECIES OF THE GENUS THRIPS FROM INDIA-II.
T N Ananthakrishnan A Jagadish
Deut Entomol Z 15(4-5):359-365
01 Oct 1968 421 D48
Catalogs, Insect taxonomy, Thripidae, Thrips.

20297-68
EFFECT OF DESICCATION ON SURVIVAL OF THE FREE-LIVING STAGES OF TRICHOSTRONGYLUS COLUBRIFORMIS.
F L Andersen N D Levine
J Parasitol 54(1):117-128 REF
Feb 1968 448.8 J824
Larvae, Morphology, Research, Temperature, Trichostrongylus colubriformis.

20298-68
A MODIFIED 'GARY' BEE-TRAP FOR USE WITH THE CAPE BLACK HONEY-BEE.
R H Anderson
S Afr J Agr Sci 11(1):203-205
Mar 1968 24 SU3
Apis, Equipment, Insect behavior, Insect traps, Queen bees.

A modified 'gary' trap was used to study losses due to behavioral disturbances in a queenless hive of Cape black honey bees.

20299-68
EFFECTS OF PYRIDOXINE DEFICIENCY ON THE LYMPHATIC ORGANS AND CERTAIN BLOOD COMPONENTS OF THE NEONATAL CHICKEN.
J A Asmar N J Daghir H A Azar
J Nutr 95(2):153-159 REF
Jun 1968 389.8 J82
Animal nutrition, Biochemistry, Blood chemistry, Chickens, Diet, Lymphatic system, Vitamin b6.

Abstract: The data indicate that vitamin B6 defiency in the chick depresses erythrocytopoiesis and hemoglobin synthesis, disturbs metabulic functions of the liver cell and hinders development of the lymphatic organs.

20300-68
SCOLYTID PHEROMONES-- READY OR NOT.
M D Atkins
Can Entomol 100(10):1115-1117
Oct 1968 421 C16
Biology, Insect behavior, Insect control, Insect identification, Population statistics, Research, Scolytidae.

20301-68
ENVIRONMENTAL FACTORS LIMITING THE PRODUCTIVITY AND SIZE OF EXPERIMENTAL POPULATIONS OF DROSOPHILA SERRATA AND D. BIRCHII.
F J Ayala
Ecology 49(3):562-565 SPRING
1968 410 EC7
Drosophila birchii, Drosophila serrata, Environment, Feeding, Laboratories, Population statistics, Reproduction, Temperature.

20302-68
PRELIMINARY RESULTS OF A NINE YEAR INVESTIGATION OF BACHHYDRACARINEN (ACARI-TROMBIDIFORMES). (GE)
C Bader
Rev Suisse Zool 75(3):498-505
Sep 1968 410 R324
Acarina, Demography, Hydrachnellae, Insect ecology.

A nine year study was made of aquatic mites. Their seasonal variations, ecology and population dynamics are discussed.

20303-68
THE MULTIPLICATION OF SACBROOD VIRUS IN THE ADULT HONEYBEE.

L Bailey
Virology 36(2):312-313
Oct 1968 448.8 V81
Apis mellifera, Bee diseases, Electron microscopy, Experimental insects, Fat body, Injections, Saebrood, Temperature, Viruses.

20304-68
METABOLIC CHANGES IN LIVER ASSOCIATED WITH SPONTANEOUS KETOSIS AND STARVATION IN COWS.
F J Ballard R W Hanson D S Kronfeld F Raggi
J Nutr 95(2):160-172 REF
Jun 1968 389.8 J82
Cattle, Enzymes, Ketosis, Liver, Liver funetion tests, Metabolism, Starvation.

Abstraet: Measurements were made to aseertain the degree of ketosis and to compare ehanges in lipid synthesis, substrate oxidation, enzyme aetivities and the level of several metabolie intermediates.

20305-68
BIOLOGY AND ECOLOGY OF THE BLACKBIRD FEATHER LOUSE. (GE)
H Baum
Angew Parasitol 9(3):129-175 MAP REF
Aug 1968 436.8 AN4
Birds, Demography, Feathers, Insect biology, Inseet ecology, Mallophaga. English, russian and german abstraets

20306-68
PHYSICORHEMICAL CHARACTERISTICS OF GLYCOGEN FROM ANTHONOMUS GRANDIS BOHEMAN.
N L Betz W C Nettles A F Novak
Compar Biochem Physiol 24(1):163-175
Jan 1968 444.8 C73
Anthonomus grandis, Chromatography, Glyeogen, Hydrolysis, Inseet physiology, Physieal ehemistry, Triehloroacetie aeid.

Abstraet: Glyeogen was extraeted from the boll weevil, H. grandis, with 5 percent triehloraeetie and with eold ehloroform-glyeine buffer. Glueose was the only sugar deteeted in acid hydrolyzates.

20307-68
THE BREEDING OF CALLAMBULYX TATARINOVI (LEP., SPHINGIDAE). (GE)
A Bilek
Entomol Z 78(21):241-242
01 Nov 1968 421 EN85
Insect rearing, Lepidoptera, Methodology, Sphingidae.

20308-68
A STUDY OF THE GENUS CHROTOGONUS (ORTHOPTERA). VIII. PATTERNS OF VARIATION IN EXTERNAL MORPHOLOGY.
R E Blackith D K McE Kevan
Evolution 21(1):76-84
30 Mar 1967 443.8 EV62
Insect morphology, Orthoptera, Polymorphism, Statistieal analysis. English abstract

20309-68
INFLUENCE OF TEMPERATURE AND MOISTURE ON THE SURVIVAL OF COCOONS, AND ON ADULT EMERGENCE OF BUCCULATRIX CANADENSISELLA.
J R Blais J G Pilon
Can Entomol 100(7):742-749
Jul 1968 421 C16
Betula, Bueculatrix eanadensisella, Humidity, Insect ecology, Inseet physiology, Mortality, Temperature, Weather. English and Freneh abstraets.

20310-68
THE HETEROPTERA FAUNA OF KORSHAGE, ZEALAND, IN RELATION TO VEGETATION IN LATE SUMMER.
J Bocher
Entomol Medd 35(1):27-66 MAP, REF
25 May 1967 421 EN82
Catalogs, Demography, Heteroptera, Vegetation. English abstraet

20311-68
SEASONAL CYCLES OF COLLECTIVE ACTIVITY OF TERMITES OF THE SAVANNAS OF THE IVORY COAST SHOAL. (FR)
P Bodot
Insectes Sociaux 14(4):359-388
Dec 1967 421 IN79
Harvesting, Insect behavior, Termites, Weather.

20312-68
OBSERVATIONS ON THE SWARMING AND THE FIRST STAGE OF DEVELOPMENT OF THE COLONY OF ALLODONTERMES GIFFARDII SILV. (ISOPTERA, TERMITIDAE). (FR)
P Bodot
Insectes Sociaux 14(4):351-358 REF
Dec 1967 421 IN79
Insect behavior, Research, Social inseets, Swarming, Termites.

20313-68
ANTS, APHIDS, AND JACK PINE IN MANITOBA.
G A Bradley J D Hinks
Can Entomol 100(1):40-50
Jan 1968 421 C16
Aphididae, Carbon tetraehloride, Cinara, Defoliation, Doliehoderus taschenbergi, Formiea obscuripes, Inseet behavior, Insect pests, Inseeticides, Malathion, Parasitic insects, Pinus banksiana, Predaeeous inseets.

20314-68
THE PRESENT STATUS OF CONTROL OF CULEX PIPIENS FATIGANS.
A W A Brown
World Health Organ Bull 37(2):297-299
1967 449.9 W892B
Breeding, Chemieal eontrol (insects), Culex pipiens quinquefasciatus, Filariasis, Inseet tropism, Insecticide resistant inseets, Inseeticides, Larvae, Larvicides. Summary in French

20315-68
AN HYPOTHESIS CONCERNING THE FUNCTION OF THE METAPLEURAL GLANDS IN ANTS.
W L Brown
Amer Natur 102(924,MAR-APR):188-191
29 Apr 1968 470 AM36
Demography, Formicidae, Glands (insects), Insect behavior, Seeretion.

20316-68
A NEW CONCEPT: TOTAL INSECT POPULATION SUPPRESSION.
Pesticide Progr 5(3):66-67
May 1967 79.8 P434
Biological control (inseets), Chemical control (insects), Insect population, Natural control (inseets), Radiation, Reproduetion, Sterilization. Reprinted from Agric. Res. 14 (9):3. 1966.

20317-68
DETERMINATION OF THE PHOTOSENSITIVE PERIOD IN THE AFRICAN MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (R. ET F.), PHASE GREGARIA. (FR)
P Cassier
Insectes Sociaux 15(1):3-30 REF
Mar 1968 421 IN79
Insect physiology, Locusta migratoria migratorioides, Photoperiodism, Temperature. English summary

20318-68
STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. I. EFFECTS OF LIGHT PULSES ON THE ECLOSION RHYTHMS IN DROSOPHILA PSEUDOOBSCURA.
M K Chandrashekaran
Z Vergleichende Physiol 56(2):154-162
1967 444.8 Z3
Diurnal rhythm, Drosophila pseudoobscura, Light, Phase-contrast mieroscopy, Photoperiodism, Research, Temperature.

20319-68
STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. II. THE DUAL EFFECT OF LIGHT ON THE ENTRAINMENT OF THE ECLOSION RHYTHM IN DROSOPHILA PSEUDOOBSCURA.
M K Chandrashekaran
Z Vergleichende Physiol 56(2):163-170 REF
1967 444.8 Z3
Diurnal rhythm, Drosophila pseudoobseura, Insect physiology, Light, Phase-contrast mieroscopy, Photoperiodism, Photosensitization, Pupae, Research.

20320-68
PATHOGENS AND PARASITES IN LOUISIANA CULICIDAE AND CHAOBORIDAE.
H C Chapman D B Woodward J J Petersen
N J Mosquito Exterm Ass Proc 54:54-60
Mar 1967 420 N46
Baeteria, Chaoboridae, Culicidae, Fungus diseases (insects), Mieroorganisms, Nematodes, Protozoa, Virus diseases (insects).

20321-68
ESTIMATION OF PATHWAYS OF CARBOHYDRATE METABOLISM IN INSECTS.
W Chefurka
Entomol Soc Ontario Proc 96:17-23 REF
1965 420 ON8
Carbohydrates, Insect physiology, Inseets, Metabolism.

20322-68
RELEASE OF THE FREE NINHYDRIN-POSITIVE SUBSTANCE IN PHORMIA AND DROSOPHILA BY MEANS OF TWO DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)
P S Chen E Kubli F Hanimann
Rev Suisse Zool 75(3):509-523 REF
Sep 1968 410 R324
Chromatography, Culex, Drosophila melanogaster, Electrophoresis, Ninhydrin reaction, Peptides, Phormia regina. English, freneh and german abstraets

20323-68
EVALUATION OF CHEMOSTERILANT DAMAGE TO THE TESTES OF THE HOUSEFLY, MUSCA DOMESTICA, BY MICROSCOPIC OBSERVATION AND BY MEASUREMENT OF THE UPTAKE OF 14C-COMPOUNDS.
R E Cline
J Insect Physiol 14(7):945-953 REF
Jul 1968 421 J825
Arginine, Carbon eompounds, Carbon isotopes, Chemosterilants, Musca domestiea, Nucleic acids, Spermatocytes, Testes.

20324-68
LIFE HISTORY OF GESTA GESTA INVISUS (LEPIDOPTERA: HESPERIIDAE).
J A Comstoek R O Kendall
San Diego Soc Natur Hist Trans 14(18):233-236
18 Aug 1967 410.9 SA54T
Food habits, Hesperiidae, Insect biology, Insect morphology, Life eyele, Neotropical Region, Zoogeography. English and spanish abstracts

20325-68
WINTERING QUEEN BEE BY RUMANIAN METHOD HAS PROMISING LOOK.
V A Cook
New Zeal J Agr 117(2):54-55,57
Aug 1968 23 N48J
Apieulture, Insect rearing equipment, Queen bees. Modified equipment for the Rumanian method of wintering queen bees is deseribed.

20326-68
THE SENSORY PHYSIOLOGY OF THE LARVA OF THE RHINOCEROS BEETLE ORYCTES RHINOCEROS L.
H H Costa V K Ganesalingam
Ceylon J Sci Biol Sci 7(1-2):52-73 REF
Oct 1967 475 C33
Insect physiology, Larvae, Scarabaeidae, Sense organs, Xyloryetes jamaicensis. English abstract

20327-68
OCCURRENCE OF TELEONEMIA SCRUPULOSA ON SESAMUM INDICUM LINN. IN UGANDA.
J C Davies D J Greathead
Nature 213(5071):102
07 Jan 1967 472 N21
Lantana camara, Population, Sesame, Teleonemia scrupulosa, Zoogeography.

20328-68
PHYSIOLOGY AND DEPORTMENT OF SEVERAL ANTS (HYM. FORMICIDAE) OF THE SAHARA IN REGARD WITH THE PRINCIPLE FACTORS OF THE CLIMATE. (FR)
G Delye
Insectes Sociaux 14(4):323-338 REF
Dec 1967 421 IN79
Climate, Formicidae, Heat, Insect physiology, Water. English summary

20329-68
LIFE HISTORY AND POPULATION CONSEQUENCES OF DENSITY, PHOTOPERIOD, AND TEMPERATURE IN A MIGRANT INSECT, THE MILKWEED BUG ONCOPELTUS.
H Dingle
Amer Natur 102(924,MAR-APR):149-163 REF
29 Apr 1968 470 AM36
Demography, Insect migration, Oncopeltus fasciatus, Photoperiodism, Temperature.

20330-68
POSSIBILITIES FOR FLIGHT DETECTION OF HARMFUL MOTHS OF THE NOCTUIDAE FAMILY ON SUGAR BEET. (RUS)
B Dochkova
Rastenievud Nauk 5(9):93-98
1968 64.8 R18
Attractants, Insect flight, Molasses, Noctuidae, Sugar beets. English and russian abstracts

20331-68
PHILORNIS FLIES FROM TRINDAD (DIPTERA: MUSCIDAE).
H R Dodge T H G Aitken
Kans Entomol Soc J 41(1):134-154
Jan 1968 420 K13
Diagnosis, Indexing, Philornis, Physiology, Research.

20332-68
COPPER-MOLYBDENUM INTERACTION IN SHEEP AND CHICKS.
R P Dowdy G Matrone
J Nutr 95(2):191-196
Jun 1968 389.8 J82
Anemia, Animal nutrition, Biochemistry, Chicks, Copper sulfate, Diet, Metabolism, Molybdenum compounds, Sheep.

Abstract: The results of these studies were used to develop a hypothesis that molybdenum complexes with copper and that copper bound in this state is biologically inactive.

20333-68
A COPPER-MOLYBDENUM COMPLEX: ITS EFFECTS AND MOVEMENT IN THE PIGLET AND SHEEP.
R P Dowdy G Matrone
J Nutr 95(2):197-201 REF
Jun 1968 389.8 J82
Animal nutrition, Biochemistry, Copper sulfate, Culture media, Diet, Immunization, Metabolism, Molybdenum compounds, Sheep, Swine.

Abstract: These results support the hypothesis that copper bound in a Cu-Mo complex is biologically unavailable and indicate that such a complex can exist in vivo.

20334-68
LIGHT-AND ELECTRONMICROSCOPE INVESTIGATIONS INTO THE MALPIGHIAN TUBULES OF GALERUCELLA VIBURNI (CHRYSOMELIDAE). (GE)
M Dressler
Z Wiss Zool 178(1-2):40-71 REF
1968 410 Z3
Chrysomelidae, Coleoptera, Electron microscopy, Insect histology, Insect morphology, Insect physiology, Malpighian tubes, Urogenital system. German abstract

20335-68
REACTIVITY OF SEVERAL EXPERIMENTAL HETEROPTERA HOSTS TO THE LARVA OF A MONOPHAGE DIPTERA, PHASIINAE. (FR)
C Dupuis
Acad Sci Compt Rend Ser D Sci Nat 265(23):1809-1812
06 Dec 1967 505 P21
Diptera, Heteroptera, Larvae, Parasitic insects.

20336-68
PARASITISM OF THE ORIENTAL FRUIT MOTH, GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: TORTRICIDAE) IN ONTARIO, 1956-1965.
G G Dustan H R Boyce
Entomol Soc Ontario Proc 96:100-102
1965 420 ON8
Braconidae, Grapholitha molesta, Ichneumonidae, Insect behavior, Lepidoptera, Parasitism, Time.

20337-68
NOTES ON A WEEVIL'S BIOLOGY. (COL. CURCULIONIDAE). (SW)
B Ehnstrom
Entomol Tidskr 89(1-2):64-68
10 Aug 1968 421 EN891
Catalogs, Curculionidae, Insect biology, Insect ecology. German abstract

20338-68
OBSERVATIONS ON THE NESTING BEHAVIOR OF SOME SPECIES OF TACHYTES (HYMENOPTERA: SPHECIDAE, LARRINAE).
H E Evans F E Kurczewski
Kans Entomol Soc J 39(2):323-332
Apr 1966 420 K13
Eggs, Insect behavior, Morphology, Nesting, Research, Tachytes.

20339-68
SOME ECOLOGICAL FACTS ABOUT TWO DUTCH MELANIPS SPECIES (HYMENOPTERA, CYNIPIDAE).
H H Evenhuis
Entomol Ber 28(9):175-176
01 Sep 1968 420 N38B
Cynipidae, Hymenoptera, Insect ecology.

20340-68
INFLUENCE OF LIGHT AND TEMPERATURE ON THE HATCHING-ACTIVITY OF CHIRONOMUS NUDITARSIS STR. (GE)
J Fischer S Rosin
Rev Suisse Zool 75(3):538-549
Sep 1968 410 R324
Chironomidae, Diptera, Insect morphology, Light, Temperature. English, french and german abstracts

20341-68
THE EFFECT ON THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE, OF DICOFOL CONCENTRATION AND DEPOSIT DISTRIBUTION ON THE LEAF SURFACE.
R W Fisher N G Morgan
Can Entomol 100(7):777-781
Jul 1968 421 C16
Chemical control (pests), Dicofol, Pesticide application, Plant pest control, Tetranychus urticae.

Abstract

20342-68
NEW INSECTICIDES THAT SHOW RESIDUAL TOXICITY TO ADULTS OF ANOPHELES QUADRIMACULATUS.
J B Gahan H G Wilson G C LaBrecque
N J Mosquito Exterm Ass Proc 54:145-152
Mar 1967 420 N46
Anopheles quadrimaculatus, Chemical control (insects), Insecticide residues, Insecticides, Mortality, Research, Spraying, Toxicology.

20343-68
THE USE OF THE MOUTHPARTS OF ORTHOPTERA DURING FEEDING.
S K Gangwere
Entomol News (philadelphia) 71(8):193-206
Oct 1960 421 EN88
Feeding, Insect anatomy, Insect behavior, Insect identification, Mechanization, Mouth parts, Orthoptera, Research.

20344-68
THE NATURAL INFECTION RATE OF SIMULIUM DAMNOSUM WITH ONCHOCERCA VOLVULUS IN SAVANNAH REGIONS OF GUINEA.
R Garms F Weyer
Z Tropenmed Parasitol 19(3):289-296 REF
Sep 1968 448.8 Z37
Breeding, Larvae, Morphology, Onchocerca volvulus, Onchocerciasis, Research, Simulium damnosum, Surveys. English and German summary

20345-68
EXPERIMENTS ON HOST SELECTION IN THE ANOPHELES GAMBIAE COMPLEX.
M T Gillies
Ann Trop Med Parasitol 61(1):68-75
Mar 1967 448.9 L75A
Anopheles, Calves, Feeding, Humans, Insect behavior, Insect vectors.

20346-68
COLLECTION OF SIMULIIDS FROM THE IVORY COAST. STUDY OF THE ACTIVITY OF THE FEMALES OF SIMULIUM DAMNOSUM THEOBALD. (FR
J Giudicelli
Soc Entomol France Ann 11(2):325-342 REF
1966 420 F84
Diurnal rhythm, Humidity, Insect ecology, Light, Simuliidae, Simulium damnosum, Temperature.

Abstract

20347-68
A COMPARISON OF THE TIPULA AND SERICESTHIS IRIDESCENT VIRUSES.
D G Glitz G J Hills C F Rivers
J Gen Virol 3(2):209-220 REF
Sep 1968 Q0R360.0A10J6
Insects, Larvae, Sericesthis iridescent virus, Serological tests, Tipula iridescent virus, Virus diseases (animals).

20348-68
A HYPOTHESIS ON THE SUBJECT OF LARVAL MONSTERS IN THE GENUS ANOPHELES. (FR)
Y Guy
Inst Pasteur Algerie Arch 45:51-61
1967 448.3 IN7A
Ahnormalities, Anopheles, Insect biology, Insect morphology, Insecticides, Larvae.

20349-68
DEVELOPMENTAL PRODUCTION OF EMBRYONIC BLASTEMA OF DROSOPHILA AFTER CULTURE IN THE ADULT HOST. (GE)
E Hadorn R Hurlimann G Mindek G Schuhiger M Staub
Rev Suisse Zool 75(3):557-569
Sep 1968 410 R324
Drosophila melanogaster, Insect morphology, Insect physiology, Metamorphosis, Neoplasms. English, french and german abstracts

20350-68
A STUDY ON GONOTROPHIC CYCLE OF THE MOSQUITO AEDES VEXANS MEIG. IN SOUTH MORAVIA.
Z Hajkova
Folia Parasitol 13(4):361-369 REF
1967 436.8 C33
Aedes vexans, Culicidae, Gonadotropins, Ovaries, Ovipositors, Temperature.

Abstract: It was ascertained by dissection the females are hatched with imperfectly developed ovaries. In one season, females complete 2-3

gonotrophic cycles. The oviposition was stimulated by rain, especially after dry and warm days.

20351-68
OXYTELUS MUTATOR LOHSE (COL., STAPHYLINIDAE) NEW TO BRITAIN.
P M Hammond
Entomologist (london) 101(1266):250-252
Nov 1968 421 EN8
Insect morphology, Reproductive organs, Staphylinidae.

20352-68
THE HEAD OF PSEUDOMENOPON PILOSUM (SCOPOLI) (MALLOPHAGAAMBLYCERA). (GE)
F Haub
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):493-558 REF
1967 410 Z751
Head, Insect morphology, Insect physiology, Mallophaga, Muscles, Nerves. German abstract

20353-68
STUDIES ON THE INCREMENT OF THE EFFICACY OF INSECTICIDES. (VII). ON THE EFFECT OF SYNERGIZED ON VARIOUS STRAINS OF HOUSE FLIES. (JA)
A Hayashi M Hatsukade
Botyu-kagaku 32(2):39-41
May 1968 421 B65
Chemical control (insects), Chemicals, Insecticides, Mortality, Musca domestica, Research, Toxicology. English summary

20354-68
THE PECAN NUT CASEBEARER, ACROBASIS CARYAE (LEPIDOPTERA: PYRALIDAE) ON MOCKERNUT HICKORY, CARYA TOMENTOSA.
E A Heinrichs
Kans Entomol Soc J 41(2):236-239
Apr 1968 420 K13
Acrobasis caryae, Carya tomentosa, Insect behavior, Lepidoptera, Parasitism.

20355-68
DDT-RESISTANCE IN TWO STRAINS OF CULEX PIPIENS PIPIENS LINNAEUS FROM NEW JERSEY.
A H Hemmerlein
N J Mosquito Exterm Ass Proc 54:158-163
Mar 1967 420 N46
Culex pipiens pipiens, DDT, Feeding, Insecticide resistant insects, Insecticides, Mortality, Research.

20356-68
LEAFMINERS OF HVAR ISLAND (COL., DIPT., HYM., LEP.). (GE)
E M Hering
Deut Entomol Z 14(1-2):1-80 REF
01 Jun 1967 421 D48
Coleoptera, Diptera, Hymenoptera, Insect morphology, Insects, Leaf miners, Lepidoptera, Zoogeography.

20357-68
DERMACENTOR ANDERSONI IN NATIONAL FOREST RECREATION SITES OF UTAH.
C S Herrin
Great Basin Natur 28(1):30-43 MAP REF
30 Mar 1968 410 G79
Demography, Dermacentor andersoni, Ecology, Ixodidae, Seasonal variation.

20358-68
THE HIBERNATION OF CATERPILLARS IN A REFRIGERATOR. (GE)
R Hinz
Entomol Z 78(8):93-95
15 Apr 1968 421 EN85
Caterpillars, Diapause, Hibernation, Insect behavior, Insect rearing, Refrigeration. German abstract

20359-68
THE CONVERSION OF 14C-CARBOHYDRATES INTO CO2 AND LIPID BY THE SILKWORM, BOMBYX MORI.
Y Horie T Ito S Nakasone
J Insect Physiol 14(7):971-981 REF
Jun 1968 421 J825
Bombyx mori, Carbohydrates, Carbon dioxide, Carbon isotopes, Chemurgy, Fatty acids, Glucose, Insect metabolism, Lipids, Pyruvate carboxylase.

20360-68
ON THE DIVISION OF LABOUR IN THE PRIMITIVE TERMITE ZOOTERMOPSIS NEVADENSIS (HAGEN).
P E Howse
Insectes Sociaux 15(1):45-50
Mar 1968 421 IN79
Insect behavior, Social insects, Termites, Zootermopsis nevadensis. French summary

20361-68
DRINKING OF WATER BY FLEAS.
D A Humphries
Entomol Mon Mag 102(1229-1231):260-262
Oct 1966 421 EN86
Ceratophyllus gallinae, Feeding, Insect behavior, Siphonaptera, Water.

20362-68
STEROIDS. CCCXXXVI. SYNTHETIC STUDIES ON INSECT HORMONES. VI. THE SYNTHESIS OF PONASTERONE A AND ITS STEREOCHEMICAL IDENTITY WITH CRUSTECDYSONE.
G Huppi J B Siddall
Tetrahedron Lett 9:1113-1114
Feb 1968 385 T29
Chemical structure, Ecdysterone, Hormones, Insects, Ponasterone A, Stereochemistry, Steroids.

20363-68
THE INACTIVATION OF THE NUCLEAR POLYHEDROSIS VIRUS OF TRICHOPLUSIA NI BY GAMMA AND ULTRAVIOLET RADIATION.
R P Jaques
Can J Microbiol 14(10):1161-1163
Oct 1968 448.8 C162
Gamma rays, Insect diseases, Polyhedroses, Radiation, Trichoplusia ni, Ultraviolet rays, Viruses.

20364-68
A CONE TRAP FOR IMMATURE BLACK FLIES (DIPTERA: SIMULIIDAE).
A F Johnson D H Pengelly
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Diptera, Equipment, Insect traps, Simuliidae.

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P C Joubert
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Chemical control (insects), Corn, Grain, Insecticide application, Pyrethrum, Seedlings, Toxicology. Abstract from Pyrethrum Post 8 (2): 6-15. 1965.

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R Kinzelbach
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):559-684 REF
1967 410 Z751
Coleoptera, Head, Insect morphology, Insect physiology, Muscles, Nerves, Strepsiptera, Stylopidae. German and english abstract

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FLIGHT OF MOTHS (LEPIDOPTERA, NOCTUIDEA) TO DIFFERENT SOURCES OF LIGHT IN THE MOUNTAIN-FOREST ZONE OF CRIMEA. (RUS)
Z F Klyuchko
Zool Zhur 46(11):1721-1723
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Insect behavior, Insect flight, Insect taxonomy, Light traps, Noctuidae.
Abstract

20368-68
THE STATISTICO-PHYSIOLOGICAL CONSIDERATION ON THE ESTIMATION OF SYNERGISTIC ACTION OF INSECTICIDES APPLIED JOINTLY. (JA)
T Kono
Botyu-kagaku 32(2):34-39
May 1967 421 B65
Benzene hexachloride, Biological assay, Carbaryl, Insecticide synergists, Nephotettix cincticeps.
English abstract

20369-68
ARTIFICIAL DIET FOR THE ZOYSIAGRASS BILLBUG, SPHENOPHORUS VENATUS VESTITUS (COLEOPTERA: CURCULIONIDAE), AND NOTES ON ITS BIOLOGY.
K Kovitvadhi S H Kerr
Fla Entomol 51(4):247-250
Dec 1968 420 F662
Curculionidae, Diet, Insect biology, Insect nutrition, Insect rearing, Life cycle, Sphenophorus. English abstract

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VIRUS FILAMENTS WITH ROD FORMS, INSECT VIRUS OF THE GENUS BORRELINAVIRUS. (GE)
A Krieg A M Huger
Naturwissenschaften 55(9):453
Sep 1968 474 N213
Galleria mellonella, Insect diseases, Viruses.

20371-68
FATTY ACID COMPOSITION OF THE RICE STEM BORER CHILO SUPPRESSALIS WALKER.
Y Kuwahawa S Ishii
Botyu-kagaku 32(2):42-45 REF
May 1968 421 B65
Acids, Chilo suppressalis, Culture media, Fatty acids, Food plants, Lipids, Research.

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OVIPOSITION CYCLES AND THE STIMULUS FOR OVIPOSITION IN DERMESTES MACULATUS DEGEER (COLEOPTERA: DERMESTIDAE).
A M Ladduwahetty
Ceylon J Sci Biol Sci 7(1-2):128-138 REF
Oct 1967 475 C33
Dermestidae, Insect behavior, Insect physiology, Oviposition, Ovulation, Stimulants. English abstract

20373-68
THE CAPE MAY COMMISSION BUILDS A CONTROLLED WATER LEVEL FACILITY FOR MOSQUITO CONTROL.
B M Lafferty
N J Mosquito Exterm Ass Proc 54:124-128
Mar 1967 420 N46
Agricultural outlook, Culex, Insect control, Light traps, Surveys.

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FIELD TRIALS WITH GRANULAR ABATE FOR CONTROL OF EARLY SPRING AEDES MOSQUITOES.
R W Lake F J Murphey C J Stachecki
N J Mosquito Exterm Ass Proc 54:179-180
Mar 1967 420 N46
Abate, Aedes, Chemical control (insects), Insect control, Larvicides, Research, Toxicology.

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SIMULIUM DAMNOSUM THEOBALD IN A DRY SAVANNAH (REGION OF GARANGO, UPPER VOLTA) (DIPTER,. SIMULIIDAE). III. DIVISION OF EVOLUTIONARY STAGES IN THE COURSE OF A YEAR. (FR
M Lamontellerie
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1004-1020
Jul 1967 515 D14
Insect ecology, Metamorphosis, Simuliidae. French abstract

20376-68
A DECADE OF MOSQUITO CONTROL IN MARYLAND.
G S Langford
N J Mosquito Extern Ass Proc 54:45-48
Mar 1967 420 N46
Agricultural outlook, Culicidae, Environment, Histology, Insect control, Insecticides, Research.

20377-68
LOCATING THE EGGS OF AEDES VEXANS (MG.) (DIPTERA: CULICIDAE).
L P Lefkovitch R A Brust
Bull Entomol Res 58(PT.1):119-122
Sep 1968 421 B87
Aedes vexans, Eggs, Insect collecting equipment, Research, Sampling (statistics).

20378-68
THE NUMBER OF LARVAL INSTARS IN SOME BARK BEETLE SPECIES.
B Lekander
Entomol Tidskr 89(1-2):25-34 REF
10 Aug 1968 421 EN891
Coleoptera, Insect morphology, Larvae, Metamorphosis, Scolytidae.

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A DESCRIPTION OF THE LARVA OF EREMOTES ELONGATUS GYLL. (COL. CURC.) AND A COMPARISON BETWEEN THIS AND THE HYLASTES LARVAE (COL. SCOL.).
B Lekander
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Curculionidae, Insect morphology, Larvae, Scolytidae.

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THE PLACE OF CAMPONOTUS ACVAPIMENSIS MAYR (HYMENOPTERE FORMICIDAE) IN THE ALIMENTAL CHAIN OF A SAVANNA OF THE IVORY COAST. (FR)
J Levieux
Insectes Sociaux 14(4):313-322
Dec 1967 421 IN79
Food, Formicidae, Insect behavior, Vegetation. English summary

20381-68
FALL MOSQUITO BREEDING AND HIBERNATION IN AN AREA OF THE DELAWARE RIVER SURVEY.
J L Lomax
N J Mosquito Extern Ass Proc 54:170-178
Mar 1967 420 N46
Breeding, Culicidae, Hibernation, Insecticides, Research, Surveys.

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PURIFICATION OF A NON-OCCLUDED VIRUS OF GALLERIA MELLONELLA.
J F Longworth T W Tinsley A H Barwise I O Walker
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Chloroform, Galleria mellonella, Proteins, Sterilization, Virus diseases (animals).

20383-68
EFFECT OF OVIPOSITION SITES ON EGG PRODUCTION AND LONGEVITY OF TROGODERMA PARABILE (COLEOPTERA: DERMESTIDAE).
S R Loschiavo
Can Entomol 100(1):86-89
Jan 1968 421 C16
Feeding, Insect behavior, Insect eggs, Longevity, Ovulation, Trogoderma parabile.

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AERIAL SPRAY OPERATIONS IN THE FIRST U. S. ARMY AREA.
V A Loy
N J Mosquito Extern Ass Proc 54:104-108
Mar 1967 420 N46
Aerial spraying, Equipment, Population statistics, Research, Surveys.

20385-68
THE EFFECT OF LIGHT AND TEMPERATURE ON THE COLOUR OF THE ENGLISH GRAIN APHID, MACROSIPHUM AVENAE (F.) (HOM., APHIDIDAE).
M Markkula J Rautapaa
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):1-13 REF
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Aphididae, Color, Insect physiology, Light, Macrosiphum avenae, Temperature.

Abstract

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THE POPULATION BIOLOGY OF THE BUTTERFLY, EUPHYDRYAS EDITHA. V. CHARACTER CLUSTERS AND ASYMMETRY.
L G Mason P R Ehrlich T C Emmel
Evolution 21(1):85-91 REF
30 Mar 1967 443.8 EV62
Demography, Insect biology, Insect morphology, Lepidoptera, Statistical analysis. English abstract

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NEST CONSTRUCTION AND LIFE HISTORY OF THE EASTERN CUCURBIT BEE, PEPONAPIS PRUINOSA (HYMENOPTERA: APOIDEA).
J A Mathewson
Kans Entomol Soc J 41(2):255-261
Apr 1968 420 K13
Aging, Apoidea, Hymenoptera, Insect behavior, Peponapis pruinosa.

20388-68
PRELIMINARY OBSERVATIONS CONCERNING THE ABSENCE OF AEDES AEGYPTI IN SAVANAH, GEORGIA, AND NEARBY AREAS.
E M McCray D P Wilton H F Schoof
N J Mosquito Extern Ass Proc 54:152-154
Mar 1967 420 N46
Aedes aegypti, Environment, Insect migration, Surveys.

20389-68
INTEREPIDEMIC HOSTS OF WESTERN ENCEPHALITIS VIRUS IN SASKATCHEWAN.
J McLintock A N Burton J G Rempel
N J Mosquito Extern Ass Proc 54:97-104
Mar 1967 420 N46
Culex tarsalis, Epidemiology, Hibernation, Hosts, Research, Virus diseases (insects), Western equine encephalomyelitis virus.

20390-68
IMPORTANT DEVELOPMENT OF LYTTA VESICATORIA (L.) (COLEOPT., MELOIDAE) IN THE LABORATORY AND THE TIME PERIOD OF CANTHARIDE SYNTHESIS. (SUM). (GE)
D Meyer-Grassmann C Schlatter
Rev Suisse Zool 75(3):460
Sep 1968 410 R324
Biochemistry, Cantharides, Insect metabolism, Lytta vesicatoria, Meloidae.

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THE TWO JUVENILE HORMONES FROM THE CECROPIA SILK MOTH.
A S Meyer H A Schneiderman E Hanzmann J H Ko
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Biochemistry, Hormones, Hyalophora cecropia, Insect physiology, Metamorphosis, Saturniidae.

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BIOCHEMICAL, SKELETAL AND ALLOMETRIC CHANGES DUE TO ZINC DEFICIENCY IN THE BABY PIG.
E R Miller R W Luecke D E Ullrey B V Baltzer B L Bradley
J Nutr 95(2):278-286 REF
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Baby pigs, Biochemistry, Diet, Metabolism, Parakeratosis, Zinc.

Abstract- weened baby pigs comparisons on a zinc deficient or adequate diet.

20393-68
HOST EXPLOITATION OF TWO CLOSELY RELATED WATER MITES.
R Mitchell
Evolution 21(1):59-75
30 Mar 1967 443.8 EV62
Hydrachnellae, Insect behavior, Insect morphology, Odonata, Predaceous insects. English abstract

20394-68
FUNCTIONAL CHARACTERISTICS OF THE ALIMENTARY CANAL OF THE COCKROACH, BLABERUS CRANIIFER BURMEISTER.
W W D Modder
Ceylon J Sci Biol Sci 7(1-2):1-8 REF
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Blattidae, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

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THE DISTRIBUTION AND ACTIVITY LEVELS OF CARBOHYDRASES IN THE ALIMENTARY CANAL OF THE COCKROACH, BLABERUS CRANIIFER GURMEISTER.
W W D Modder
Ceylon J Sci Biol Sci 7(1-2):9-23 REF
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Blattidae, Carbohydrases, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

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REPORT OF A GLUCOSE DIMINISHING PROCESS IN THE GUT OF THE COCKROACH, BLABERUS CRANIIFER BURMEISTER.
W W D Modder
Ceylon J Sci Biol Sci 7(1-2):32-36 REF
Oct 1967 475 C33
Blattidae, Gastrointestinal system, Glucose oxidase, Insect metabolism, Insect physiology. English abstract

20397-68
THE SPECIFICITIES OF ALIMENTARY CANAL CARBOHYDRASES OF THE COCKROACH, BLABERUS CRANIIFER GURMEISTER.
W W D Modder
Ceylon J Sci Biol Sci 7(1-2):24-31 REF
Oct 1967 475 C33
Blattidae, Carbohydrases, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

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THE STRUCTURE OF THE ALIMENTARY CANAL AND SALIVARY GLANDS IN ACROTELSA COLLARIS (THYSANURA: LEPISMATIDAE).
W W P Modder
Ceylon J Sci Biol Sci 7(1-2):139-150
Oct 1967 475 C33
Gastrointestinal system, Insect morphology, Lepismatidae, Salivary glands (insects), Thysanura. English abstract

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DROSOPHILA IMAII, A NEW SIBLING SPECIES RELATED TO DROSOPHILA BIFASCIATA.
D Moriwaki O Kitagawa T Okada
Evolution 21(1):109-116 MAP
30 Mar 1967 443.8 EV62
Drosophilidae, Insect genetics, Insect morphology, Zoogeography. English abstract

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INSECT HORMONES. VI. CONFIRMATION OF SKELETAL STRUCTURE OF PONASTERONE A.
H Moriyama K Nakanishi
Tetrahedron Lett 9:1111-1112
Feb 1968 385 T29
Chemical structure, Hormones, Insects, Ponasterone A, Steroids.

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CHEMOSTERILANTS FOR CONTROL OF REPRODUCTION IN THE EYE GNAT (HIPPELATES COLLUSOR) AND THE MOSQUITO (CULEX QUINQUEFASCIATUS).
M S Mulla
Hilgardia 39(10):297-324 REF
Jul 1968 100 C12H
Biochemistry, Biological control (insects), Chemosterilants, Culex quinquefasciatus, Hippelates collusor, Insect control, Population, Reproduction, Sterilization.

20402-68
INSECT HORMONES. V. THE STRUCTURES OF PONASTERONES B AND C.
K Nakanishi M Koreeda M L Chang H Y Hsu
Tetrahedron Lett 9:1105-1110
Feb 1968 385 T29
Chemical structure, Hormones, Insects, Ponasterone B, Ponasterone C, Stereochemistry, Steroids.

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DISTRIBUTION OF FORAGING HOLES AND SOIL DUMPS OF THE HARVESTER TERMITE, HODOTERMES MOSSAMBICUS (HAGEN) (ISOPTERA: HODOTERMITIDAE). (AF)
J J C Nel
S Afr J Agr Sci 11(1):173-182
Mar 1968 24 SU3
Insect behavior, Insect ecology, Statistical analysis, Termites, Weather. Afrikaans, french and english abstract

20404-68
STUDIES ON THE ECOLOGY OF CULICOIDES MIDGES--THE TRANSMITTERS OF BLUETONGUE AND HORSE-SICKNESS.
E M Nevill
S Afr Biol Soc J 7,8:76-78
1966 410.9 SO8J
African horse sickness, Bluetongue virus, Cattle, Ceratopogonidae, Culicoides, Horses, Insect behavior, Insect ecology, Insect vectors.

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LABORATORY TESTS OF HEAVY METAL SALTS AS MOSQUITO LARVICIDES.
D Novak J Bouda
Angew Parasitol 9(3):175-176
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Chemical control (insects), Culex pipiens, Larvicides, Metals. English, czech, russian and german abstracts

20406-68
THE DEVELOPMENT OF THE THORACIL MUSCULATURE OF PERIPLANETA AFTER DISCONNECTION OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)
H Nuesch T Teutsch
Rev Suisse Zool 75(3):643-650
Sep 1968 410 R324
Blattidae, Insect physiology, Larvae, Muscles, Nerves, Periplaneta americana. English, french and german abstracts

20407-68
RING-CANALS AND INTERCELLULAR COMMUNICATION WITHIN THE EGGCHAMBER OF A TSETSE FLY SPECIES.
T R Odhiambo
Experientia 24(7):738-740 REF
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Diptera, Glossina, Insect eggs, Insect histology, Insect morphology, Mitosis.

20408-68
RELATIONSHIP OF OXYGEN REQUIREMENTS TO INDEX-ORGANISM CLASSIFICATION OF IMMATURE AQUATIC INSECTS.
T A Olson M E Rueger
Water Pollut Contr Fed J 40(5,PT.2):R188-R202 REF
May 1968 293.8 SE8
Aquatic animals, Diptera, Insect physiology, Metabolism, Odonata, Oxygen, Plecoptera, Trichoptera.

20409-68
GROWTH OF FOLLICULAR CELLS IN APHIDS. A CYTOPHOTOMETRIC AND AUTORADIOGRAPHIC STUDY.
E Orlando R Crema
Experientia 2((10):1038-1039
15 Oct 1968 475 EX7
Aphididae, Autoradiography, Insect morphology, Oogenesis, Photomicrography.

20410-68
ON THE TERATOLOGY OF THE PRIMARY- AND HYPERPARASITES OF BREVICORYNE BRASSICAE (L.). (GE)
D Pactzold G Vater
Deut Entomol Z 15(4-5):409-426 REF
01 Oct 1968 421 D48
Aphididae, Brevicoryne brassicae, Cynipidae, Insect abnormalities, Parasitic insects, Predaceous insects. German abstract

20411-68
ESTABLISHMENT OF BUMBLE BEES IN NEST BOXES AT CHRISTCHURCH.
T P Palmer
New Zeal J Agr Res 11(3):737-739
Aug 1968 23 N4892
Apiculture, Apidae, Bombus, Insect rearing. English abstract

20412-68
THE CEPHALIC AND PROTHORACIC SKELETOMUSCULATURE AND NERVOUS SYSTEM IN LETHOCERUS (HETEROPTERA, BELOSTOMATIDAE).
M C Parsons
Linn Soc London J Zool 47(312):349-406 REF
Apr 1968 410.9 L64
Belostomatidae, Endocrine glands, Insect anatomy, Muscles, Nervous system. English abstract

20413-68
SECRETION OF THE METATHORACIC GLANDS OF THE WATERBUG NOTONECTA GLAUCA L. (.
G Pattenden B W Staddon
Experientia 24(11):1092
15 Nov 1968 475 EX7
Glands (insects), Insect physiology, Notodontidae, Secretion. German abstract

20414-68
CONTRIBUTION TO THE KNOWLEDGE OF THE LARVAE AND PUPAE OF AGAPANTHIA VIOLACEA FABRICIUS (1775) AND AGAPANTHIA VILLOSOVIRIDESCENS DE GEER (1775) (COL., CERAMBYCIDAE, LAMIINAE). (GE)
H Paulus
Entomol Bl 64(2):70-85 REF
25 Oct 1968 421 EN833
Cerambycidae, Insect morphology, Insect taxonomy, Larvae, Pupae. English and german abstracts

20415-68
THE ANTIMETABOLITE IMIDAZOLE AS A PESTICIDE. (ABSTRACT).
R J Pence
Pesticide Progr 5(3):77
May 1967 79.8 P434
Antimetabolites, Chemical control (insects), Imidazole, Pesticides, Surface-active agents, Toxicology. This was the author's abstract from Calif. Agr. 19 (1): 13-15. 1965.

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THE MECHANICAL BREAKDOWN OF HARDWOOD IN THE LABORATORY BY POPILIUS DISJUNCTUS (COLEOPTERA: PASSALIDAE).
F J Preiss E P Catts
Kans Entomol Soc J 41(2):240-242
Apr 1968 420 K13
Coleoptera, Hardwoods, Insect behavior, Laboratories, Popilius disjunctus.

20417-68
ON THE EFFECT OF THE VAPOR PHASE OF SOME INSECTICIDES ON COMMON HOUSE FLIES (MUSCA DOMESTICA L.). (GE)
M Privora J Zemanova
Z Angew Zool 55(1):101-105
1968 449.8 Z36
Chemical control (insects), Insect control, Insecticidal aerosols, Musca domestica, Muscidae, Vapors. German abstract

20418-68
ON A EUROPEAN STENUS TERMINALIA (COLEOPTERA, STAPHYLINIDAE). 47. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE. (GE)
V Puthz
Entomol Bl 64(2):86-92
25 Oct 1968 421 EN833
Catalogs, Insect morphology, Staphylinidae.

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THE SUSCEPTIBILITY OF CULEX PIPIENS FATIGANS LARVAE TO INSECTICIDES IN RANGOON, BURMA.
P Rosen
World Health Organ Bull 37(2):301-310,MAP
1967 449.9 W892B
Chemical control (insects), Culex pipiens quinquefasciatus, Fenthion, Filariasis, Insect physiology, Insect vectors, Insecticide resistant insects, Insecticides, Larvae, Parathion, Temperature. Summary in French

20420-68
REVIEW OF THE BIOLOGY OF PANURGINE BEES, WITH OBSERVATIONS ON NORTH AMERICAN FORMS (HYMENOPTERA, ANDRENIDAE).
J G Rozen
Amer Mus Novitates 00(2297):1-44 REF
18 Aug 1967 500 N4830N
Andrenidae, Habitats, Hymenoptera, Insect biology.

20421-68
PROPYNYL NAPHTHYL ETHERS AS SELECTIVE CARBAMATE SYNERGISTS.
R M Sacher R L Metcalf T R Fukuto
J Agr Food Chem 16(5):779-786 REF
Sep 1968 381 J8223
Biological assay, Carbamates, Chromatography, Ethers, Musca domestica, Naphthol, Research.

20422-68
AMBER BARK BEETLES FROM THE ZOOLOGICAL MUSEUM OF THE UNIVERSITY OF COPENHAGEN. 247. CONTRIBUTION TO THE SYSTEMATICS AND MORPHOLOGY OF THE SCOLYTOIDEA. (GE)
K E Schedl
Entomol Medd 35(1):85-87
25 May 1967 421 EN82
Insect taxonomy, Paleoentomology, Scolytidae.

20423-68
MOSQUITO CONTROL MEANS REAL ESTATE ENHANCEMENT.
J L Schlesinger
N J Mosquito Extern Ass Proc 54:9-11
Mar 1967 420 N46
Agricultural outlook, Agricultural policies, Culicidae, Insect control, Research.

20424-68
ANALYSIS OF THE SYNTHESIS OF SOME YOLK PROTEINS UNDER THE INFLUENCE

OF THE CORPORA ALLATA OF LEUCOPHAEA MADERAE. (GE)
R Schuerer M Luscher
Rev Suisse Zool 75(3):715-722 REF
Sep 1968 410 R324
Biochemistry, Corpora allata, Insect eggs, Insect physiology, Leucophaea maderae, Proteins, Synthesis. English and french abstracts

20425-68
FORMATION OF SILK PROTEINS BY THE SILKWORM, BOMBYX MORI, AFTER GAMMA-RAY IRRADIATION IN THE EMBRYONIC STAGE.
H Shigematsu H Takeshita
J Insect Physiol 14(7):1013-1024 REF
Jul 1968 421 J825
Bombyx mori, Gamma rays, Insect physiology, Irradiation, Larvae, Ribonucleic acid, Ribosomes.

20426-68
THE EFFECT OF PROTEIN SOURCES AND OF THE FREQUENCY OF EGG COLLECTION ON EGG PRODUCTION BY THE HOUSEFLY (MUSCA DOMESTICA L.).
E Shipp A W Osborn
World Health Organ Bull 37(2):331-335
1967 449.9 W892B
Feed, Fertility, Insect eggs, Insect physiology, Measuring equipment, Musca domestica, Ovipositors, Proteins, Reproduction, Yeasts.

20427-68
BREVICOMIN: PRINCIPAL SEX ATTRACTANT IN THE FRASS OF THE FEMALE WESTERN PINE BEETLE.
R M Silverstein R G Brownlee T E Bellas D C Wood L E Browne
Science 159(3817):889-891
23 Feb 1968 470 SCI2
Attractants, Dendroctonus brevicomis, Frass, Insect physiology, Sex.

20428-68
A COMPARATIVE STUDY OF THE ALIMENTARY CANAL OF ADULT CALYPTRATE DIPTERA.
S B Singh W W A Judd
Entomol Soc Ontario Proc 96:29-80 REF
1965 420 ON8
Diptera, Gastrointestinal system, Insect physiology, Research, Taxonomy.

20429-68
DISTRIBUTION OF ASTER YELLOWS VIRUS IN THE VECTOR MACROSTELES FASCIFRONS AND THE SEQUENCE OF INFECTION SITES. (ABSTRACT).
R C Sinha L N Chiykowski
Phytopathology 57(8):831
Aug 1967 464.8 P56
Animal extracts, Aster, Aster yellows (ornamental plants), Blood, Insect vectors, Macrosteles fascifrons, Plant disease transmission.

20430-68
THE ACCUMULATION OF URIC ACID IN THE FAT BODY OF SAWFLIES AND ITS DETECTION.
W A Smirnoff B J R Philogene
Can Entomol 100(1):69-74
Jan 1968 421 C16
Cells, Diprionidae, Dosage, Fat body, Insect taxonomy, Tenthredinidae, Uric acid. English and French abstracts .

Abstract: Variations of uric acid accumulation could be very useful for taxonomic purposes.

20431-68
GLOBAL EVENTS CONCERNING MOSQUITOES IN 1966.
H Sollers-Riedel
N J Mosquito Exterm Ass Proc 54:181-214
Mar 1967 420 N46
Anatomy, Arboviruses, Biology, Culicidae, Ecology, Filariasis, Genetics, Geography, Insect behavior, Insect migration, Insect vectors, Larvicides, Malaria, Morphology, Physiology, Research, Sterilization, Taxonomy, Yellow fever virus.

20432-68
A COMPARISON OF THE PROTEIN QUALITY OF POLLENS FOR GROWTH. STIMULATION OF THE HYPOPHARYNGEAL GLANDS AND LONGEVITY OF HONEY BEES, APIS MELLIFERA L. (HYMENOPTERA: APIDAE).
L N Standifer
Insectes Sociaux 14(4):415-426 REF
Dec 1967 421 IN79
Apis mellifera, Hymenoptera, Physiology, Pollen, Proteins. French summary

20433-68
HORMONAL CONTROL OF CARBOHYDRATE METABOLISM IN INSECTS.
J F Steele
Entomol Soc Ontario Proc 96:23-28 REF
1965 420 ON8
Carbohydrates, Hormones, Insect physiology, Insects, Metabolism.

20434-68
A NEW ACARICIDE TO CONTROL PHOSPHATE ESTER RESISTENT SPIDER MITES THROUGH RESISTANCE--INDUCED ENHANCED SUSCEPTIBILITY. (GE
W R Steinhausen
Z Angew Zool 55(1):107-114
1968 449.8 Z36
Acaricides, Chemical control (insects), Demeton, Immunity, Insecticide resistant insects, Organophosphorus compounds, Tetranychidae, Tetranychus urticae. English, french and german abstracts

20435-68
BIO-ACOUSTIC INVESTIGATIONS OF THE COCKROACH LEUCOPHAEA MADERAL (F.). (GE)
R Sturmer
Deut Entomol Z 14(1-2):111-118 REF
01 Jun 1967 421 D48
Blattidae, Insect behavior, Insect physiology, Leucophaea maderae, Stridulation.

20436-68
THE DEPOSITION OF LIPID AND THE COMPOSITION OF NEUTRAL LIPIDS IN THE FAT BODY OF SARCOPHAGA BULLATA (DIPTERA).
G Y Sun V J Brookes
Compar Biochem Physiol 24(1):177-185 REF
Jan 1968 444.8 C73
Fatty acids, Glycerides, Larvae, Lipids, Sarcophaga bullata.

20437-68
FEEDING THROUGH ROOT SURFACES OF RUTABAGA BY HYLEMYA BRASSICAE (DIPTERA: ANTHOMYIIDAE).
G E Swailes
Can Entomol 100(10):1061-1064
Oct 1968 421 C16
Feeding, Hylemya brassicae, Insect rearing, Laboratories, Research, Roots, Rutabagas.

20438-68
STUDIES ON NATURAL POPULATIONS OF DROSOPHILA. VI. COMPETITION BETWEEN DROSOPHILA MELANOGASTER AND DROSOPHILA SIMULANS.
A O Tantawy M H Soliman
Evolution 21(1):34-40 REF
30 Mar 1967 443.8 EV62
Competition, Demography, Drosophilidae, Insect adaptation, Insect biology. English abstract

20439-68
DESCRIPTION OF THE CASTES OF TETRAPONERA ANTHRACINA SANTSCHI (HYM., FORMICIDAE, PROMYRMICINAE). (FR)
G Terron
Insectes Sociaux 14(4):339-348
Dec 1967 421 IN79
Formicidae, Insect anatomy, Insect identification. English and German summaries

20440-68
TESTS (1966) WITH BLACK FLY LARVICIDES.
B V Travis D Guttman R R Crafts
N J Mosquito Exterm Ass Proc 54:49-53
Mar 1967 420 N46
Chemical control (insects), Larvicides, Mortality, Pesticides, Research, Simuliidae, Toxicology.

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16 Sep 1968 505 P21
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Assay, Biochemistry, Calliphora vicina, Cells, Light, Measurement, Potentiometry, Vision. English summary

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Breeding, Cell division, Chromosomes, Drosophila melanogaster, Ecdysone, Experimental insects, Genes, Hormones, Insect genetics, Mutation, Research.

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Chemical control (insects), Chromosomes, Culex pipiens molestus, Culex pipiens pipiens, Culex pipiens quinquefasciatus, Dieldrin, DDT, Genes, Insect genetics, Insecticide resistant insects. Summary in French

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Chromosomes, Gryllotalpa hexadactyla, Insect genetics, Meiosis, Research, Spermatocytes.

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Alleles, Demography, Ephestia, Fertility, Insect behavior, Insect genetics, Phycitidae, Sex behavior. English abstract

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D W Crumpacker V M Salceda
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Alleles, Chromosomes, Demography, Drosophilidae, Insect genetics. English abstract

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Demography, Insect behavior, Insect genetics, Insect morphology, Tenebrionidae, Tribolium castaneum, Tribolium confusum. English abstract

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Demography, Insect genetics, Research, Tribolium. English abstract

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Genes, Insect genetics, Mutation, Population, Tables (data), Tribolium confusum.

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1967 449.9 W892B
Breeding, Culex pipiens molestus, Culex pipiens quinquefasciatus, Fertility, Insect genetics, Sterility. Summary in French

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Th Dobzhansky O Pavlovsky
Amer Natur 101(922,NOV-DEC):527-533 REF
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Animal breeding, Drosophila pseudoobscura, Insect behavior, Insect genetics, Spermatozoa.

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Abstract

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Antennae, Cells, Drosophila melanogaster, Insect genetics, Legs, Mutation, Research, Tissues.

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H F Hoenigsberg
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Demography, Drosophila melanogaster, Drosophila simulans, Fruit, Insect ecology, Insect genetics.

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M P Johnson A D Keith P R Ehrlich
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Breeding, Chromosomes, Culex pipiens, Cytoplasm, Insect genetics, Mutation, Population. Summary in Freneh

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Chromosomes, Cytogeneties, Grasshoppers, Meiosis, Sex. English abstract

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Demography, Insect biology, Insect genetics, Tribolium.

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S Minamori K Tatsukawa
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Demography, Drosophilidae, Insect genetics, Zoogeography. English abstract

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Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Mutation, Tables (data), Temperature, Wings (insects).

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Biochemistry, Chemicals, Drosophila melanogaster, Genes, Insect morphology, Mutation, Temperature, Wings (insects).

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Animal genetics, Biochemistry, Drosophila, Insect abnormalities, Insect morphology, Insect physiology, Thymidine. German abstract

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Alleles, Drosophila melanogaster, Fat body, Gynandromorphism, Insect genetics, Kynurenine, Metabolites, Tissues.

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Chromosomes, Diptera, Genetics, Insect physiology, Ribonucleic acid, Salivary glands.

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Breeding, Chromosomes, Demography, Drosophila pseudoobscura, Insect genetics.

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Chromosomes, Genes, Insect genetics, Polymorphism, Population, Tables (data).

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Breeding, Chemical control (insects), Culex pipiens quinquefasciatus, Filariasis, Insect behavior, Insect dissemination, Insect vectors, Insecticides, Parasitism, Sanitation, Spraying. Summary in French

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Epidemiology, Humans, Larvicides, Onchocerciasis, Parasitism, Simulium neavei, Time. Summary in French

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Biochemistry, Chlorophenols, Herbicides, Phenol compounds, Plant growth inhibitors, Rice, Roots, Toxicity.

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Biological control (pests), Entomology, Literature.

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Alternaria solani, Carbohydrates, Chromatography, Culture media, Fructose, Fungi, Glucose, Plant nutrition, Plant physiology, Polysaccharides.

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Corn, Ecology, Fungus diseases (plants), Fusarium moniliforme, Pratylenchus scribneri, Seedling blight (corn).

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Bacteria, Cells, Chromosomes, Genetics, Plants, Virus diseases (plants). German summary

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Nature 214(5093):1150-1151
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Host indexing (plants), Phytopathology, Plant disease resistance, Plant disease transmission, Research, Taxonomy, Virus diseases (plants), Viruses.

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Assay, Biochemistry, Diagnosis, Grapefruit, Iron, Leaves, Magnesium, Micronutrients, Peroxidases, Plant nutritional deficiencies, Trees, Zinc. German summary

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Assay, Cells, Chick embryos, Culture media, Research, Rous sarcoma virus, Time, Tissues, Virus diseases (animals).

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Cucumbers, Mosaic (tobacco), Serological tests, Tobacco, Virus diseases (plants), Virus 3 (cucumbers), Virus 4 (cucumbers).

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Amer J Vet Res 29(11):2237-2242 REF
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Corn, Hydrogen-ion concentration, Listeria monocytogenes, Morphology, Physiology, Plant diseases, Silage.

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Fao Plant Protect Bull 16(2):17-31 REF
Apr 1968 421 P692
Bacterial wilt (bananas), Bunchy top (bananas), Fusarium, Panama disease (bananas), Plant diseases, Plant nutritional deficiencies, Radopholus similis, Sigatoka (bananas).

20521-68
OUTBREAKS AND NEW RECORDS.

S B Chattopadhyay N Mukhopadhyay
Fao Plant Protect Bull 16(3):52
Jun 1968 421 P692
Bacterial diseases (plants), Bacterial wilt (bananas), Bananas, Plant diseases, Pseudomonas solanacearum, Taxonomy.

20522-68
COMANDRA RUST DAMAGE TO PONDEROSA PINE IN OREGON AND WASHINGTON. ASB608.P6505.
T W Childs
8P
1968
Cronartium comandrae, Fungus diseases (plants), Pinus ponderosa, Tree diseases.

20523-68
A BIBLIOGRAPHY OF LISTS OF PLANT DISEASES AND FUNGI. I. AFRICA.
Rev Appl Mycol 47(11):553-558
Nov 1968 405 R328
Bibliography, Fungi, Plant diseases, Zoogeography.

20524-68
FLORIDA 20, A FLECK RESISTANT VARIETY OF CIGAR-WRAPPED TOBACCO.
C E Dean
Fla Agr Exp Sta Circ S- 11 P.
Jul 1968 100 F66CI
Crop yields, Downy mildew (tobacco), Industry, Leaves, Plant disease resistance, Research, Seedlings, Tobacco, Weather fleck (tobacco).

20525-68
ALTERNARIA BRASSICAE.
M B Ellis
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):162
1968 462.7 C73
Alternaria, Fungus diseases (plants), Plant geography, Seed treatment, Seed-borne plant diseases, Vegetables.

Description of a fungal pathogen of vegetables, its geographical distribution and etiology.

20526-68
ALTERNARIA CHRYSANTHEMI.
M B Ellis
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):164
1968 462.7 C73
Alternaria, Chrysanthemum, Fungus diseases (plants), Plant geography, Seed-borne plant diseases.

Description of a fungal pathogen of chrysanthemum, its geographical distribution and etiology.

20527-68
ALTERNARIA BRASSICICOLA.
M B Ellis
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):163
1968 462.7 C73
Alternaria, Cabbage, Cauliflower, Fungus diseases (plants), Plant geography.

Description of a fungal pathogen of cabbage and cauliflower, its geographical distribution and etiology.

20528-68
PERICONIA CIRCINATA.
M B Ellis
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):167
1968 462.7 C73
Fungus diseases (plants), Periconia, Plant geography, Soil-borne plant diseases, Sorghum, Wheat.

Description of a fungal pathogen of wheat and sorghum, its geographical distribution and etiology.

20529-68
PERICONIA MACROSPINOSA.
M B Ellis
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):168
1968 462.7 C73
Fungus diseases (plants), Periconia, Plant ecology, Plant geography, Soil-borne plant diseases.

Description of a non-pathogenic fungus often confused with periconia circinata, its geographical distribution and etiology.

20530-68
EXPERIMENTS ON THE QUANTITY OF SPRAYFLUID IN PREVENTIVE SPRAYING AGAINST LATE BLIGHT. (SW)
B Emilsson
Swed Stat Vaxtskyddsanst Medd 13(111):405-420
1967 464.9 SW3M
Fungus diseases (plants), Late blight (potatoes), Phytophthora infestans, Potatoes, Spraying, Volumetric analysis. English summary

20531-68
MUTATION IN THANATEPHORUS CUCUMERIS.
N T Flentje H M Stretton A R McKenzie
Australian J Biol Sci 10(6):1173-1180 REF
Dec 1967 442.8 AU72
Antirrhinum majus, Autoradiography, Calcium, Culture media, Fungi, Injections, Lethal factor, Mutation, Plant diseases, Plant genetics, Plant nutrition, Radioactive tracers, Subterranean clover, Thanatephorus cucumeris, Ultraviolet rays.

20532-68
RESEARCH ON THE INTERACTIONS OF COLLETOTRICHUM COCCODES (WALLR.) HUGHES AND ITS PRINCIPLE HOSTS: SOLANUM TUBEROSUM L. AND LYCOPERSICUM ESCULENTUM L. (FR)
P Forlot
Phytopathol Z 59(3):249-266 REF
Jul 1967 464.8 P562
Colletotrichum coccodes, Fungus diseases (plants), Potatoes, Research, Tomatoes, Wilt (potatoes), Wilt (tomatoes). English and German summaries

20533-68
GREENING VIRUS, THE LIKELY CAUSE OF CITRUS DIEBACK IN INDIA.
L R Fraser D Singh S P Capoor T K Nariani
Fao Plant Protect Bull 14(6):127-130
Dec 1966 421 P692
Biological transport, Citrus, Dieback (citrus), Insect vectors, Tree diseases, Trees, Tristeza (citrus), Virus diseases (plants).

20534-68
PROPERTIES OF A PLANT VIRUS-INDUCED RNA POLYMERASE IN CUCUMBERS INFECTED WITH CUCUMBER MOSAIC VIRUS.
J M Gilliland R H Symons
Virology 36(2):232-240 REF
Oct 1968 448.8 V81
Assay, Enzymes, Mosaic (cucumbers), Polymers, Ribonucleic acid, Tables (data), Virus diseases (plants), Yeasts.

20535-68
MYCOPLASMA: SUSPECTED ETIOLOGIC AGENT OF CORN STUNT.
R R Granados K Maramorosch E Shikata
Nat Acad Sci Proc 60(3):841-844 REF
Jul 1968 500 N210P
Cicadellidae, Corn, Insect vectors, Mycoplasma, Plant disease transmission.

Abstract

20536-68
DEVELOPMENT OF YOUNG PEAR TREES WITH DIFFERENT ROOTSTOCKS IN RELATION TO PSYLLA INFESTATION, PEAR DECLINE, AND LEAF CURL.
W H Griggs D D Jensen B T Iwakiri
Hilgardia 39(7):153-204 REF
May 1968 100 C12H
Crop yields, Leaf curl (peaches), Pears, Plant hardiness, Plant physiology, Psylla pyricola, Research, Roots, Virus diseases (plants).

20537-68
IN SITU ALKALINE DEGRADATION OF TURNIP YELLOW MOSAIC VIRUS RNA: A COMPARATIVE ANALYSIS.
J E Halperin J M Kaper
Virology 33(4):760-763
Dec 1967 448.8 V81
Hydrogen-ion concentration, Ribonucleic acid, Sedimentation, Virus diseases (plants), Yellow mosaic (turnips).

20538-68
THE ROLE OF TEMPERATURE IN THE DEVELOPMENT OF BLUE MOULD (PERONOSPORA TABACINA ADAM.) DISEASE IN TOBACCO SEEDLINGS. III. THE EFFECT OF PRE-INOCULATION TEMPERATURE AND OF SHADE ON PLANT GROWTH AND DISEASE DEVELOPMENT.
A V Hill S Green
Australian J Agr Res 19(5):759-766
Sep 1968 23 AU783
Injections, Peronospora tabacina, Physiology, Research, Seedlings, Temperature, Tobacco.

20539-68
GREEN ROSETTE VIRUS OF GROUNDNUTS IN SOUTH AFRICA.
P J Klesser
S A f J Agr Sci 11(1):77-86 REF
Mar 1968 24 SU3
Aphis craccivora, Insect vectors, Peanuts, Plant grafting, Rosette (peanuts), Virus diseases (plants). French, afrikaans and english abstract

20540-68
ON THE NORMAL TISSUE TRANSFORMATION OF SCORSONERA IN VITRO CAUSED BY AGROBACTERIUM TUMEFACIENS DNA. (fr)
A Kovoor
Acad Sci Compt Rend Ser D Sci Nat 265(21):1623-1626
20 Nov 1967 505 P21
Agrobacterium tumefaciens, Bacterial diseases (plants), Crown galls, Deoxyribonucleic acid, Plant biochemistry, Scorzonera, Tissues.

20541-68
A STRAIN OF NICOTIANA EXIGUA WHICH BY THE COTYLEDONES TEST PROVED TO BE ESPECIALLY RESISTANT TO PERONOSPORA TABACINA (DOWNY MILDEW). (GE)
R Krexner
Pflanzenschutzberichte 37(113):15-17
Feb 1968 464.9 P48
Downy mildew (tobacco), Peronospora tabacina, Plant disease resistance, Research, Tobacco. English summary

20542-68
THE VIRUSES IN POTATO FIELDS; A STUDY ABOUT POSSIBILITIES FOR BASIC SEED POTATO GROWING IN SLOVENIA AND GORSKI KOTAR. SB736.0K8. (sl)
Milos Kus
115 P. REF
Jul 1966
Aphididae, Chemical control (plant diseases), Crop yields, Field crops, Insect vectors, Plant physiology, Potatoes, Research, Seedlings, Virus diseases (plants). English summary

20543-68
CHEMOTAXONOMIC AND ULTRASTRUCTURAL STUDIES ON THREE SPECIES OF TILLETIA OCCURRING ON WHEAT.
J L Laseter W M Hess J D Weete D L Stocks D J Weber
Can J Microbiol 14(10):1149-1154 REF
Oct 1968 448.8 C162
Anatomy, Electron microscopy, Fungus diseases (plants), Morphology, Research, Taxonomy, Tilletia caries, Tilletia controversa, Tilletia foetida, Wheat.

20544-68
BORAX INHIBITION OF CYANOGENESIS IN SNOW MOLD OF ALFALFA.
J B Lebeau T G Atkinson
Phytopathology 57(8):863-865 REF
Aug 1967 464.8 P56
Alfalfa, Basidiomycetes, Borax, Enzymes, Fungus diseases (plants), Hydrocyanic acid, Plant biochemistry, Snow mold (alfalfa).

Abstract: Sprayed plants inoculated with snow mold did not accumulate toxic amounts of HCN in their crown buds. Hydrolysis of amygdalin by an enzyme preparation from the fungus was not inhibited by borax. Borax inhibited the formation of HCN by a normally cyanogenic isolate of the fungus.

20545-68
VARIATION IN DECAY SUSCEPTIBILITY OF SAPWOOD WITH SEASON OF CUTTING. (ABSTRACT).
M P Levi E B Cowling
Phytopathology 57(8):818
Aug 1967 464.8 P56
Cambium, Lenzites trabea, Nitrogen, Polyporus versicolor, Quercus falcata, Rot, Wood decay, Wood destroying fungi.

20546-68
SOME PLANT GALLS FROM INDIA.
M S Mani
Marcellia 34(3):191-201
Dec 1967 421 M33
Cecidomyiidae, Plant diseases, Plant galls, Plant physiology.

20547-68
PASSIVE SURVIVAL OF ENDOCONIDIA AND CHLAMYDOSPORES OF THIELAVIOPSIS BASICOLA IN SOIL. (ABSTRACT).
C A Martinson
Phytopathology 57(8):821
Aug 1967 464.8 P56
Fungus diseases (plants), Longevity, Plant physiology, Soils, Thielaviopsis basicola.

20548-68
ANALYSES OF SOME EPIDEMICS OF FOREST TREE DISEASES. (ABSTRACT).
W Merrill
Phytopathology 57(8):822
Aug 1967 464.8 P56
Epidemiology, Forests, Trees.

20549-68
THE PROTEIN SUBUNIT OF POTATO VIRUS X.
T Miki C A Knight
Virology 36(2):168-173 REF
Oct 1968 448.8 V81
Chromatography, Electrophoresis, Peptides, Proteins, Sedimentation, Virus diseases (plants), Virus x (potatoes).

20550-68
PLANT PATHOLOGY. GENERAL. PLANT DISEASE INFORMATION.
Jamaica Min Agr Lands Bull (N s 62):44-72
1962 80J2270B
Catalogs, Plant diseases.

20551-68
PLANT PEST INFORMATION. PESTS OF CROPS.
Jamaica Min Agr Lands Bull (N s 62):14-20
1962 80J2270B
Catalogs, Crops, Plant diseases, Plant pest control.

20552-68
MULTIPLICATION OF TOBACCO MOSAIC VIRUS IN SUSPENSION CULTURE OF TOBACCO CELLS.
F Motoyoshi N Oshima
Jap J Microbiol 12(3):317-320
Sep 1968 448.8 J273
Mosaic (tobacco), Reproduction, Tissue culture, Tobacco. English abstract

20553-68
FUNGICIDAL ACTIVITY IN SOIL IN RELATION TO TIME, CONCENTRATION, AND PENICILLIUM POPULATION. (ABSTRACT).
D E Munnecke B J Moore
Phytopathology 57(8):823
Aug 1967 464.8 P56
Cyano(methylmercuri)guanidin , Dosage, Fungicides, Fungus diseases (plants), Penicillium, Soils, Time.

20554-68
PEROXIDASE ISOZYMES IN VIRUS-INFECTED TOBACCO AND COWPEA. (ABSTRACT).
A Novacky R E Hampton
Phytopathology 57(8):824
Aug 1967 464.8 P56
Cowpeas, Enzymes, Mosaic (cowpeas), Mosaic (tobacco), Peroxidases, Ring spot (cowpeas), Streak (tobacco), Tobacco, Virus diseases (plants).

20555-68
PREVENTIVE SPRAYING AGAINST POTATO BLIGHT. FIELD TRIALS 1954 - 1959. (SW)
B Olofsson
Swed Stat Vaxtskyddsanst Medd 13(111):385-403
1967 464.9 SW3M
Blight, Fungicides, Fungus diseases (plants), Late blight (potatoes), Spraying, Time. English summary

20556-68
EFFECT OF CONTAINER CHARACTERISTICS ON VARIABILITY OF SOIL TEMPERATURES AND DISEASE REACTION IN THE GREENHOUSE. (ABSTRACT).
S A Ostazeski
Phytopathology 57(8):824
Aug 1967 464.8 P56
Birdsfoot trefoil, Containers, Mycoleptodiscus terrestris, Plant diseases, Soil temperature.

20557-68
NEW TYPE OF NUCLEAR LIFE CYCLE IN HEMILEIA VASTATRIX.
R B Rajendren
Nature 213(5071):105
07 Jan 1967 472 N21
Coffee, Fungus diseases (plants), Hemileia vastatrix, Life cycle, Meiosis, Rust (coffee), Seed germination.

20558-68
THE EFFECT OF CAPTAN AND CYCLOHEXIMIDE ON THE GROWTH AND CARBON DIOXIDE EXCHANGE OF ULMUS AMERICANA. (ABSTRACT).
B R Roberts R J Stipes
Phytopathology 57(8):827
Aug 1967 464.8 P56
Antibiotics, Captan, Cycloheximide, Dieback (ulmus), Fungicides, Fungus diseases (plants), Plant physiology, Ulmus americana.

20559-68
AN EPIPHYTOTIC OF SEEDLING BLIGHT CAUSED BY HELMINTHOSPORIUM SATIVUM IN RYE CROPS IN ARGENTINA. (SP)
A A Sarasola M A Rocca de Sarasola
(SER 5)5(4):31-52 REF
1968
Chemical control (plant diseases), Fungus diseases (plants), Helminthosporium sativum, Rye. English and spanish abstracts

20560-68
PARTICLE STRUCTURE AND CONCENTRATION OF BROMEGRASS MOSAIC VIRUS IN THIN SECTIONS OF BARLEY (MORDEUM VULGARE L.). (GE)
H B Schmidt
Phytopathol Z 59(3):297-300
Jul 1967 464.8 P562
Barley, Cells, Mosaic (bromus), Plant anatomy, Virus diseases (plants). English summary

20561-68
PHLOEM NECROSIS ASSOCIATED WITH THE GREENING DISEASE OF SWEET ORANGE (CITRUS SINENSIS). (ABSTRACT).
H Schneider
Phytopathology 57(8):829
Aug 1967 464.8 P56
Greening disease (oranges), Insect vectors, Oranges, Phloem, Plant disease transmission, Virus diseases (plants).

20562-68
SURVIVAL OF BEAN BACTERIAL PATHOGENS IN THE FIELD AND GREENHOUSE UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. (ABSTRACT).
M L Schuster
Phytopathology 57(8):830
Aug 1967 464.8 P56
Agronomy, Bacterial diseases (plants), Beans, Corynebacterium, Environment, Greenhouse culture, Pseudomonas, Straw, Xanthomonas.

20563-68
SEROLOGICAL BEHAVIOR OF CUCUMBER MOSAIC VIRUS (STRAIN Y) AND THE VIRUS PROTEIN.
H A Scott
Virology 34(1):79-90 REF
Jan 1968 448.8 V81
Cucumbers, Mosaic (cucumbers), Proteins, Serological tests, Virus diseases plants.

20564-68
RNA SYNTHESIS IN CELL-FREE EXTRACTS OF BARLEY LEAVES IN FECTED WITH BROMEGRASS MOSAIC VIRUS.
J Semal R I Hamilton
Virology 36(2):293-302 REF
Oct 1968 448.8 V81
Barley, Cells, Centrifugation, Leaves, Metabolism, Mosaic (bromus), Plant extracts, Researeh, Ribonucleic aeid, Virus diseases (plants).

20565-68
EXOCORTIS VIRUS OF CITRUS: ASSOCIATION OF INFECTIVITY WITH NUCLEIC ACID PREPARATIONS.
J S Semancik L G Weathers
Virology 36(2):326-328
Oct 1968 448.8 V81
Exocortis (citrus), Extracts, Injections, Nucleic acids, Petunia, Phenols, Plant disease transmission, Virus diseases (plants).

20566-68
ENHANCEMENT OF TOBACCO RATTLE VIRUS STABLE FORM INFECTION BY HETEROLOGOUS SHORT PARTICLES.
J S Semancik M R Kajiyama
Virology 34(1):170-172
Jan 1968 448.8 V81
Plant disease resistance, Rattle disease (tobacco), Tobacco, Virus diseases plants.

20567-68
THE LIFE CYCLE OF TRISETACUS KIRGHISORUM V. SHEV. (ACARINA, TETRAPODILI)--THE PESTS OF JUNIPERUS SEMIGLOBOSA RGL. (RUS)
V G Sheuchenko De Millo
Leningr Univ Vestnik Ser Biol 00(3):60-67
1968 442.9 L542V
Biology, Ecology, Juniperus, Mites, Trisetacus kirghisorum.

English and russian abstracts.

20568-68
EFFECT OF CLIPPING FREQUENCY ON ROOT ROT OF RED CLOVER. (ABSTRACT).
W M Siddiqui P M Halisky
Phytopathology 58(6):731
Jun 1968 464.8 P56
Fungus diseases (plants), Fusarium, Mowing, Red clover, Root rot (red clover), Soil-borne plant diseases.

20569-68
DISEASES OF GREENHOUSE PLANTS, 1967. (SW)
W Sodergren
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(2).31-34
1968 464.9 SW3V
Greenhouse culture, Ornamental plants, Plant diseases, Vegetables.

20570-68
INHIBITION OF XANTHOMONAS VESICATORIA IN EXTRACTS FROM INOCULATED LEAVES OF BACTERIAL SPOT-RESISTANT PEPPER. (ABSTRACT).
R F Stall A A Cook
Phytopathology 57(8):832
Aug 1967 464.8 P56
Bacterial diseases (plants), Bacterial spot (redpeppers), Bush redpeppers (vegetable), Leaves, Plant disease resistance, Plant extracts, Xanthomonas vesicatoria.

20571-68
A RAPID TEST FOR AN ANTIFUNGAL SUBSTANCE PRODUCED BY A WOOD-INHABITING FUNGUS IN CULTURE.
M A Stillwell W A Hodgson
Can J Microbiol 14(7):807-808
Jul 1968 448.8 C162
Culture media, Fungus diseases (plants), Late blight (potatoes), Research, Seed germination, Wood.

20572-68
THE RELATIONSHIP BETWEEN SUGARCANE MOSAIC VIRUS AND MOSAIC VIRUSES OF MAIZE AND JOHNSON GRASS IN AUSTRALIA.
R H Taylor R D Pares
Australian J Agr Res 19(5):767-773
Sep 1968 23 AU783
Crop yields, Dwarf disease (corn), Mosaic (sugarcane), Research, Serological tests, Sorghum halepense, Virus diseases (plants).

20573-68
EFFECTS OF STRAINS OF ASTER YELLOW VIRUS ON VASCULAR STRUCTURE AND FUNCTION IN NICOTIANA RUSTICA. (ABSTRACT).
W P Ting A H Gold
Phytopathology 57(8):833-834
Aug 1967 464.8 P56
Aster yellows (aztec tobacco), Aztec tobacco, Plant morphology, Plant physiology, Vascular system (plants), Virus diseases (plants).

20574-68
STUDIES ON THE OUTBREAK OF THE SOFT ROT DISEASE OF CHINESE CABBAGE BY ERWINIA AROIDEAE (TOWNS.) HOLL. IV. THE EFFECT OF THE SEEDING TIME OF CHINESE CABBAGE UPON THE ESTABLISHMENT OF INOCULUM SOURCE OF THE SOFT ROT DISEASE OF CHINESE CABBAGE IN SOIL.
J Togashi M Sakamoto
Tohoku Univ Inst Agr Res Sci Rep Ser D Agr (SER D)19:25-36 REF
1968 22.5 T81
Bacterial diseases (plants), Bacterial soft rot (cabbage), Chinese cabbage, Enterobacteriaceae, Planting date, Soil bacteria, Temperature. English abstract

20575-68
COMPARISON OF CHLOROPLASTS IN MAIZE DWARF MOSAIC VIRUSINFECTED AND HEALTHY CORN, SORGHUM, AND JOHNSON GRASS. (ABSTRACT).
J C Tu R E Ford C J Krass
Phytopathology 57(8):834
Aug 1967 464.8 P56
Chlorophylls, Chloroplasts, Corn, Dwarf mosaic (corn), Dwarf mosaic (Sorghum halpense), Dwarf mosaic (sorghum), Sorghum, Sorghum halepense, Virus diseases (plants).

20576-68
POD ROT OF COCOA IN MALAYSIA CAUSED BY PHYTOPHTHORA HEVEAE.
P D Turner
Fao Plant Protect Bull 16(2).33-34
Apr 1968 421 P692
Climate, Cocoa, Culture media, Fungus diseases (plants), Phytophthora heveae, Phytophthora palmivora, Research, Surveys.

20577-68
THE SENSITIVITY OF SOIL FUNGI AGAINST HERBICIDES. (GE)
E Valaskova
Pflanzenschutzberichte 38(10-11):135-146
Aug 1968 464.9 P48
Biochemistry, Fungus diseases (plants), Fusarium oxysporum, Herbicides, Morphology, Pythium, Soil fungi. Speech given at 6th International Congress, Plant Protection, Vienna, 1967. english summary

20578-68
INHIBITION OF TOBACCO NECROSIS VIRUS BY GUANIDE CARBONATE.
J P Varma
Virology 36(2):305-308 REF
Oct 1968 448.8 V81
Biochemistry, Carbonates, Chemical control (plant diseases), Guanidine, Kidney beans, Necrosis, Tables (data), Tobacco, Virus diseases (plants).

20579-68
ENHANCEMENT OF INFECTIVITY BY COMBINATION OF TWO RIBONUCLEIC ACID COMPONENTS FROM ALFALFA MOSAIC VIRUS.
L V Vloten-Doting E M J Jaspars
Virology 33(4):684-693 REF
Dec 1967 448.8 V81
Centrifugation, Culture media, Extracts, Mosaic (alfalfa), Ribonucleic acid, Sterilization, Virus diseases (plants).

20580-68
THE REACTIONS OF VARIOUS PLANT SPECIES TO LEAF INFECTION WITH POTATO VIRUSES S. AND M. (GE)
M Vulic W Hunnius
Phytopathol Z 59(3):225-248 REF
Jul 1967 464.8 P562
Leaves, Plants, Virus diseases (plants), Virus m (potatoes), Virus s (potatoes). English summary

20581-68
FINE STRUCTURE OF INCLUSIONS FORMED BY THE AUCUBA STRAIN OF TOBACCO MOSAIC VIRUS.
H E Warmke
Virology 34(1):149-159 REF
Jan 1968 448.8 V81
Aucuba mosaic (tobacco), Cytology, Inclusion bodies, Tobacco, Virus diseases (plants).

Abstract: Aggregates formed by the aucuba strain of tobacco mosaic virus were studied in ultrasections of systemically infected Turkish tobacco plants. Three kinds of aggregates were observed in the cytoplasm of infected cells. The first two already are known; the third, angled layer aggregates, appears to be a new form of viral association.

20582-68
SEROLOGICAL STUDIES ON BROMEGRASS MOSAIC VIRUS AND ITS PROTEIN FRAGMENTS.
M B van Wechmar M V H van Regenmortel
Virology 34(1):36-45 REF
Jan 1968 448.8 V81
Bromus, Culture media, Mosaic (bromus), Proteins, Serological tests, Virus diseases (plants).

Abstract: The serological properties of the capsids and dissociated protein subunits of bromegrass mosaic virus have been compared by immunodiffusion tests.

20583-68
VERTICILLIUM WILT OF TOBACCO. V. VARIETAL SCREENING FOR RESISTANCE TO VERTICILLIUM DAHLIAE KLEB., AND MODE OF INHERITANCE OF RESISTANCE.
D S C Wright
New Zeal J Agr Res 11(3).655-664 REF
Aug 1968 23 N4892
Fungus diseases (plants), Plant disease resistance, Plant genetics, Tobacco, Verticillium dahliae, Wilt (tobacco). English abstract

20584-68
A DEFINED METHOD FOR THE LABORATORY STUDY OF RED STELE OF STRAWBERRIES. (ABSTRACT).
W K Wynn
Phytopathology 57(8):837
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Phytophthora fragariae, Plant disease resistance, Red stele (strawberries), Strawberries.

20585-68
VI: A NEW OIDIUM GATHERED IN TAIWAN (FORMOSA) ON CARICA PAPAYA: OIDIUM CARICAE-PAPAYAE YEN (N. SP.). (FR)
J Yen
Rev Mycol 31(4):311-316
1966 450 AN74
Fungus diseases (plants), Oidium, Papayas, Parasitism, Taxonomy.

20586-68
A STUDY OF THE FUNGUS PARASITES OF SOUTHEAST ASIA. V. NOTE ON SOME MALAYSIAN SPECIES OF OIDIUM. (FR)
J Yen
Rev Mycol 31(4):281-310 REF
1966 450 AN74
Fungi, Fungus diseases (plants), Oidium, Parasitism, Plants, Research.

ARTHROPODS

20587-68
CONTROL OF THE LEAF-CUTTING ANT, ATTA CAPIGUARA, GONLALVES, 1944--A PASTURE PEST, WITH ANT-KILLERS: DUSTS, LIQUIFIED GASES, POWDERED AND PELLETED BAITS. (POR)
E Amante
Biologico 34(7):14.-158 REF
Jul 1968 442.8 B529
Atta, Baits, Chemical control (insects), Dusting, Formicidae, Liquefied gases, Methodology, Pasture management. English abstract

20588-68
COMPARISON BETWEEN ADLRIN AND MIL-REX AS PRINCIPLE INGREDIENTS OF PELLETED BAIT IN CONTROL OF THE LEAF-CUTTING ANT: ATTA SEXDENS RUBROPILOSA FOREL, 1908 AND ATTA LAEVIGATA (F. SMITH, 1858) HYMENOPTERA, FORMICIDAE. (POR)
E Amante
Biologico 34(7):168-171 REF
Jul 1968 442.8 B529
Aldrin, Atta, Baits, Chemical control (insects), Formicidae, Mirex. English abstract

20589-68
THE OCCURENCE OF FRIT FLIES (DIPTERA, CHLOROPIDAE) IN CEREAL CROPS IN SWEDEN 1961-1963. (SW)
H Andersson
Swed Stat Vaxtskyddsanst Medd 14(115).1-27
1967 464.9 SW3M
Chloropidae, Diptera, Field crops, Grain, Insect outbreaks, Oscinella frit, Surveys, Time. English summary

20590-68
BANANAS: PESTS AND DISEASES.
Anonymous

Agr Vet Chem 9(2):51-53
Mar 1968 382 AG82
Bananas, Chemical control (insects), Geography, Insect pests, Pesticides, Plant diseases, Spraying.

20591-68
RYE: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):44
Mar 1968 382 AG82
Geography, Pest control, Pesticides, Plant diseases, Rye, Spraying.

20592-68
BARLEY: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):42-43
Mar 1968 382 AG82
Barley, Chemical control (pests), Geography, Spraying.

20593-68
OATS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):40-41
Mar 1968 382 AG82
Chemical control (pests), Geography, Oats, Plant diseases, Spraying.

20594-68
CEREALS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):45-48
Mar 1968 382 AG82
Crop yields, Geography, Grain, Plant diseases, Spraying.

20595-68
ALFALFA, CLOVER AND GRASS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):49-51
Mar 1968 382 AG82
Alfalfa, Chemical control (pests), Clover, Crop yields, Geography, Grasses, Spraying.

20596-68
PLANT-HERBIVORE COEVOLUTION: LUPINES AND LYCAENIDS.
D E Breedlove P R Ehrlich
Science 162(3854):671-672
08 Nov 1968 470 SCI2
Evolution, Larvae, Lupine, Lycaenidae, Population, Predaceous insects, Research, Seedlings.

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FOREIGN INSECTS THREATENING ONTARIO AGRICULTURE AND FORESTRY.
G S Brown
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1965 420 ON8
Agriculture, Foreign trade, Forestry, Insect pests.

20598-68
GUIDE LINES FOR THE TESTING OF MATERIALS ON FALLOW FLIES. (GE
C Buhl R Sol
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7
1968 410.9 G31M
Chemical control (insects), Chloropidae, Diptera, Insecticides, Maggots, Meromyza americana, Methodology.

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EFFECT OF MANAGEMENT SYSTEM ON THE GROWTH OF LAMBS AND DEVELOPMENT OF INTERNAL PARASITISM. II. FIELD TRIALS INVOLVING MEDICATION WITH NATIONAL FORMULARY AND PURIFIED GRADES OF PHENOTHIAZINE.
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J Parasitol 54(1):89-97
Feb 1968 448.8 J824
Grazing, Haemonchus, Insect control, Lambs, Mortality, Parasitism, Phenothiazine, Physiology, Research.

20600-68
GUIDE LINES FOR THE TESTING OF MATERIALS ON ONION FLIES ON ONIONS. (GE)
G Cruger E Mosebach
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1968 410.9 G31M
Anthomyiidae, Chemical control (insects), Diptera, Insecticides, Methodology, Onions.

20601-68
GUIDE LINES FOR THE TESTING OF INSECTICIDES ON CABBAGE FLIES IN CABBAGE. (GE)
G Cruger A Kemper H Umgelter
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7
1968 410.9 G31M
Anthomyiidae, Cabbage, Chemical control (insects), Diptera, Insecticides, Methodology.

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THE PHYTONOME OF ALFALFA HYPERA VARIABILIS HERBST. (COLEOPTERA, CURCULIONIDAE) IN SOUTHWEST FRANCE. (FR)
K El M'Sadda
Rev Zool Agr Appl 66(1-3,1ST TRIMESTER):1-15 REF
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Alfalfa, Biological control (insects), Cultural control (insects), Curculionidae, Hypera, Insect biology. Franch abstract

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GUIDE LINES FOR THE OFFICIAL TESTING OF PLANT-PROTECTION MATERIALS ON WIRE-WORMS. (GE)
E Gersdorf H Maercks P Steiner
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-13
1968 410.9 G31M
Biological assay, Chemical control (insects), Coleoptera, Elateridae, Insecticides, Methodology.

20604-68
GUIDE LINES FOR THE TESTING OF MATERIALS ON BEET HEMIPTERA. (GE
E Gersdorf
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-6
1968 410.9 G31M
Beets, Chemical control (insects), Hemiptera, Insecticides, Methodology.

20605-68
INSECTS ATTACKING AGRICULTURAL CROPS AND ORNAMENTAL PLANTS IN ONTARIO IN 1965.
H W Goble
Entomol Soc Ontario Proc 96:5-6
1965 420 ON8
Field crops, Insect pests, Ornamental plants, Plant injuries, Time.

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HEAT INACTIVATION AND INTERACTIONS OF FOUR ASTER YELLOWS VIRUS STRAINS IN THEIR VECTOR, MACROSTELES FASCIFRONS (STAL).
R R Granados R K Chapman
Virology 36(3:333-342 REF
Nov 1968 448.8 V81
Aster yellows (celery), Heat, Insect vectors, Macrosteles fascifrons, Research, Virus diseases (plants).

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S Q Haque V V Chenulu
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Aphis craccivora, Cowpeas, Insect vectors, Mosaic (cowpeas), Research, Stylets, Virus diseases (plants). German summary

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THE STATUS OF APPLE LEAF ROLLERS IN NORFOLK COUNTY, ONTARIO.
A Hikichi
Entomol Soc Ontario Proc 94:38-40
Sep 1963 420 ON8
Apples, Argyrotaenia velutinana, Insect control, Insect identification, Research, Traps.

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GUIDE LINES FOR THE TESTING OF MATERIALS ON SPIDER MITES IN VEGETABLE BEDS. (GE)
A Kemper G Cruger G Weigand
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-8
1968 410.9 G31M
Acarina, Chemical control (insects), Insecticides, Methodology, Tetranychidae, Vegetables.

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OCCURRENCE AND DISTRIBUTION OF DISEASES AND PESTS IN RICE AND THEIR CONTROL IN THAILAND.
T H King
Fao Plant Protect Bull 16(3):41-44
Jun 1968 421 P692
Bacterial diseases (plants), Biochemistry, Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Insect pests, Insecticides, Nematodes, Plant diseases, Rice, Virus diseases (plants).

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FOUR-LAYERED MEMBRANE IN THE PLASTIDS OF GALLS OF CUSCUTA AUSTRALIS.
G Laudi
Experientia 24(7):729
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Curculionidae, Cuscuta, Plant diseases, Plant galls, Plant histology, Plastids. Italian abstract

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Dec 1967 421 M33
Cecidomyiidae, Insect pests, Literature.

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THE EUROPEAN PINE SAWFLY, NEODIPRION SERTIFER (GEOFF.) HYMENOPTERA: DIPRIONIDAE), A REVIEW WITH EMPHASIS ON STUDIES IN ONTARIO.
I. A Lyons
Entomol Soc Ontario Proc 94:5-37 REF
Sep 1963 420 ON8
Biological control (insects), Biology, Chemical control (insects), Demography, Feeding, Insect dissemination, Insect histology, Insect morphology, Neodiprion sertifer, Plant injuries.

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PREVALENCE OF TRICHINELLA SPIRALIS IN WILD ANIMALS ON TWO ILLINOIS SWINE FARMS.
R J Martin P R Schnurrenberger F L Anderson C K Hsu
J Parasitol 54(1):108-111
Feb 1968 448.8 J824
Feeding, Mice, Rats, Research, Swine, Trichinella spiralis, Wildlife.

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SURVEY OF INSECT PESTS AND PLANT DISEASES OF SELECTED FOOD CROPS OF MEXICO, CENTRAL AMERICA, AND PANAMA.
J U McGuire B S Crandall
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Oct 1967
Crop losses, Crops, Geography, Insect identification, Insect pests, Plant diseases, Surveys.

20616-68
LOW VOLUME AERIAL APPLICATIONS OF DDT TO COTTON IN CENTRAL TANZANIA 1966.
R H Parish I A D Robertson
Arusha Trop Pesticides Res Inst Misc Rep 620:12 P.
Jun 1967 423.92 G7922
Aerial spraying, Aircraft, Cotton, DDT, Insect control, Insecticides, Pesticide application, Time.

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RELATIONSHIP BETWEEN THE SEASONAL DEVELOPMENT OF THE TARNISHED PLANT BUG, LYGUS LINEOLARIS (BEAUV.) (HEMIPTERA: MIRIDAE) AND ITS INJURY TO PEACH FRUIT.
J H H Phillips J H De Ronde
Entomol Soc Ontario Proc 96:103-107
1965 420 ON8
Hemiptera, Lygus lineolaris, Peaches, Plant injuries, Rainfall, Temperature.

20618-68
INNOCULATION OF THE CECIDOMYIIDAE SHELL OF OLIGOTROPHUS REAUMURIANUS ON THE LINDEN LEAF. (FR)
O Rohfritsch
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Dec 1967 421 M33
Anatomy, Cecidomyiidae, Humidity, Insect pests, Parasitism, Plant galls, Tilia.

20619-68
HIGHLIGHTS OF FOREST INSECT CONDITIONS IN ONTARIO IN 1965.
W L Sippell
Entomol Soc Ontario Proc 96:6-11 MAP
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Insect pests, Time, Trees.

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M Skuhrava V Skuhravy
Marcellia 34(3):213-227 MAP
Dec 1967 421 M33
Insect vectors, Oestridae, Plant galls, Plant protection, Research.

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THE CONTROL OF PACHYPASA CAPENSIS L. (LEPIDOPTERA) WITH A VIRUS DISEASE.
L P Van Dyk J B Vermeulen
S Afr J Agr Sci 11(1):197-200
Mar 1968 24 SU3
Biological control (insects), Forest insects, Insect diseases, Lepidoptera, Spraying, Viruses.

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SOME RESULTS FROM ULTRA LOW-VOLUME SPRAYING IN AN ONTARIO APPLE ORCHARD.
W H A Wilde D E Clark B Volkers
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1965 420 ON8
Aphis pomi, Apples, Argyrotaenia velutinana, Chemical control (insects), Malathion, Spray volume, Spraying.

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DIFFERENCE IN FLIGHT CAPACITY BETWEEN NATURALLY OCCURRING SPRING AND SUMMER FORMS OF MYZUS PERSICAE (SULZ.) (HEMIPTERA: APHIDIDAE).
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Aphididae, Epidemiology, Insect dissemination, Insect flight, Insect vectors, Myzus persicae, Plant disease transmission, Research, Time, Virus diseases (plants).

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W D Wylie
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Conotrachelus nenuphar, Fruit, Larvae, Plant galls, Population statistics, Research.

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SECOND-YEAR POTATO CULTURE. (DU)
Anonymous
Neth Plantenziektenkundige Dienst Ber 1714,3P
09 Jul 1968 464.9 N38
Heterodera rostochiensis, Plant nematodes, Plant pest control, Potatoes.

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PARASITOLOGICAL STUDIES IN THE PROVINCE OF GRANADA. SOIL NEMATODES PARASITIC ON PLANTS. PARASITE POPULATION OF GRANADA, THEIR QUANTITATIVE GEOGRAPHIC DISTRIBUTION AND POSSIBLE OR KNOWN ECONOMIC IMPORTANCE. (SP)
A T Jimenez D G Pozo
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Jul 1967 436.8 R32
Parasitology, Plant nematodes, Rhizosphere, Surveys, Zoogeography.
Abstract

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ECONOMICALLY IMPORTANT NEMATODES IN ONTARIO.
J L Townshend
Entomol Soc Ontario Proc 96:15-16 REF
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Agricultural economics, Plant injuries, Plant nematodes, Plant protection.

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THE EFFECT OF 2,4-DICHLOROPHENOXYACETIC ACID UPON THE METABOLISM AND COMPOSITION OF SOYBEAN HYPOCOTYL MITOCHONDRIA.
R Baxter J B Hanson
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D, 2,4-, Herbicides, Mitochondria, Plant composition, Plant metabolism, Plant physiology, Soybeans. English abstract

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BIOLOGICAL CONTROL OF AQUATIC VEGETATION.
A H Chokder
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Aquatic weeds, Biological control (weeds), Fish, Turtles. English abstract

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Chemical control (weeds), Herbicides.

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E E Gilbert J O Peterson
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Alcohols, Chemical control (weeds), Cycloalkenes, Halogen compounds, Herbicides, Patents.

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ASSESSMENT OF CROP LOSSES CAUSED BY NEMATODES IN THE UNITED STATES.
J M Good
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Assay, Crop losses, Nematodes, Plant injuries, Research, Soil fumigation, Soils.

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IOXYNILI ITS EFFECT ON WHEAT YIELD AND WEED POPULATIONS.
J v d W Jooste
S Afr J Agr Sci 11(1):17-26 REF
Mar 1968 24 SU3
Chemical control (weeds), Crop yields, Herbicides, Ioxynil, Methyl-4-chlorophenoxyacetic acid, 2-, Weeds, Wheat. French,afrikaans and english abstract

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HERBICIDES IN THE OSIER (SALIX VIMINALIS) CULTURE. (GE)
W Kampe
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C A L dos Lobato L Leiderman
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Abstract

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Chemical control (weeds), Vegetables, Virus diseases (plants), Weed control.

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Absorption (biological), Corn, Insecticides, Lindane, Peas, Photoperiodism, Plant biochemistry, Tomatoes, Wheat. Russian journal- vol. 14(2):282-291, Mar.-Apr, 1967

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K D Wuu W F Grant
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Abnormalities, Broadbeans, Chromosomes, Cytogenetics, Pesticides, Toxicology. English abstract

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E C Carlson
Calif Agr 22(7):6-8
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Biology, Chemical control (insects), Homoeosoma electellum, Insecticides, Plant injuries, Research, Spraying, Sunflower seeds.

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EXPERIMENTAL INFECTION OF GNOTOBIOTIC TENEBRIO MOLITOR AND

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B B Houser W C Burns
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Aging, Autopsies, Culture media, Germ-free life, Hymenolepis diminuta, Rats, Research, Tenebrio molitor.

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A TEMPERATURE STUDY OF THE OVERWINTERING SITE OF THE SHEEP BOT FLY, OESTRUS OVIS L.
C E Rogers F W Knapp D Cook M V Crowe
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Environment, Hibernation, Oestrus ovis, Research, Temperature.

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U S D A Leafl 388:8 P.
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B Aaluik
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Cystitis, Pyelonephritis, Research, Swine. German and English summary

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E M Boyd M A Boulanger
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Albinism, Animal nutrition, Animal physiology, Biochemistry, Carbaryl, Casein, Diet, Feeding, Insecticides, Proteins, Rats, Toxicology.

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F D Crisley V R Dowell R Angelotti
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Aquatic birds, Botulism, Ducks, Environment, Epidemiology, Toxicology, Water analysis.

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Aelurostrongylus abstrusus, Cats, Lungs, Neoplasms, Research, Respiratory system, Surveys.

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Animal extracts, Animals, Colorimetry, Dyes, Methodology, Research, Sulfadimethoxine, Tissues.

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Culture media, Laboratory animals, Mycoplasma gallisepticum, Mycoplasma meleagridis, Mycoplasma synoviae, Research, Turkeys.

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Animals, Dichlobenil, Enzymes, Feeding, Herbicides, Metabolism, Metabolites, Necrosis, Reproduction, Research, Toxicology.

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L C Griel R A Patton R D McCarthy P T Chandler
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Dairy cattle, Feed additives, Ketosis, Lactation, Methionine.

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W R Hanson
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Animals, Methodology, Population statistics, Research, Surveys, Zoogeography.

20653-68
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G L Long N O Kaplan
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Biochemistry, Dehydrogenases, Electrophoresis, Invertebrates, Lactase, Nucleotides, Pyridine, Surveys.

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Blood, Chemicals, Fatty acids, Glucose, Metabolism, Propylene glycol, Research, Ruminants. Swedish and German summary

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K Matoff A Tersijski
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Biochemistry, Blattidae, Chromatography, Dosage, Imidan, Injections, Metabolism, Metabolites, Phthalic acid, Radioactivity, Rats, Research.

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Bacterins, Blackleg (animal), Brucella abortus, Dairy cattle, Endotoxins, Immunization, Livestock diseases, Shipping fever.

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Agalactia, Etiology, Mastitis, Metritis, Microorganisms, Reproduction, Research, Swine, Toxemia.

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Agar, Brain, Carbamates, Electrophoresis, Enzymes, Esterases, Hydrolysis, Insecticides, Malathion, Organic compounds, Phosphates, Research, Toxicology.

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Amino acids, Antibiotics, Biological assay, Culture media, Kidneys, Milk, Monkeys, Salts, Viruses.

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T B Tjaberg A Skulberg
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Animal diseases, Bacteria, Diagnosis, Dysentery, Germ-free life, Serological tests, Swine, Tissues, Vibrio coli.

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Animal diseases, Chlortetracycline, Drug therapy, Feed, Parrots, Psittacosis, Research.

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P G Atang
Bull Epizoot Dis Afr 16(2):173-181 MAP REF
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Foot-and-mouth disease, Foot-and-mouth disease virus, Geography.

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Anaplasma, Blood parasites, Cattle, Goats, Nigeria, Sheep.

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Chickens, Eggs, Immunization, Neweastle disease virus, Temperature, Vaccines, Virus diseases (animals). French summary

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S Afr Biol Soc J 7,8:37-39
1966 410.9 SO8J
Cattle, Globidiosis, Glossina, Insect vectors, Livestock diseases, Parasitism, Stomoxys, Tabanidae.

20675-68
ENZOOTIC PNEUMONIA OF PIGS: COMPLEMENT-FIXATION TESTS FOR THE DETECTION OF MYCOPLASMA ANTIBODIES IN THE SERUM OF IMMUNIZED RABBITS AND INFECTED SWINE.
P Boulanger C L'Ecuyer
Can J Comp Med Vet Sci 32(4):547-554 REF
Oct 1968 41.8 C162
Antibodies, Complement fixation, Immunization, Pneumonia, Rabbits, Research, Serum, Swine.

20676-68
DURATION OF RINDERPEST VIRUS EXCRETION IN CATTLE IMMUNIZED WITH AN INACTIVATED VACCINE. (FR)
P Bourdin
Rev Elevage Med Vet Pays Trop 21(2):141-144
1968 41.8 R3262
Cattle, Immunization, Rinderpest virus, Vaccines.

20677-68
SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. I. DEMONSTRATION AND MEASUREMENT OF INTERFERENCE.
M A Bratt H Rubin
Virology 33(4):598-608 REF
Dec 1967 448.8 V81
Animal disease resistance, Animal genetics, Assay, Cells, Chickens, Interference phenomenon, Newcastle disease virus, Virus diseases (animals).

Abstract: Direct assay for measuring extent of interference is compared with the infective center assay, and the superiority of the latter is demonstrated.

20678-68
ELECTRON MICROSCOPIC CHARACTERIZATION OF DUCK PLAGUE VIRUS.
S S Breese A H Dardiri
Virology 34(1):160-169 REF
Jan 1968 448.8 V81
Cytology, Ducks, Electron microscopy, Virus diseases (animals).

Abstract: A virus was isolated from ducks in a recent disease outbreak on farms on Long Island,New York. This disease exhibited characteristics similar to duck plague, a disease in ducks endemic to the Netherlands and India. and not previously reported in the United States.

20679-68
COMMENTS ON INFECTIOUS BOVINE RHINOTRACHEITIS IMMUNIZATION.
A L Brown
Amer Vet Med Ass J 152(6,PT.2):856-857
15 Mar 1968 41.8 AM3
Bovine rhinotracheitis vaccines, Cattle, Feedlots, Immunization, Respiratory diseases, Stress.

20680-68
THE INCIDENCE OF SKIN DISEASES OF CATTLE IN UGANDA.
O Bwangamoi
Bull Epizoot Dis Afr 16(1):115-119
Mar 1968 41.8 B872
Cattle, Hides, Production economics, Skin diseases.

20681-68
WHY BESNOITIOSIS WAS NOT DIAGNOSED IN GOATS IN KENYA AS EARLY AS 1955.
O Bwangamoi
Bull Epizoot Dis Afr 16(2):223-229
Jun 1968 41.8 B872
Animal histology, Besnoitia besnoiti, Cysts, Globidiosis, Goats, Hides, Research.

20682-68
CLINICAL, SEROLOGICAL AND PATHOLOGICAL FINDINGS IN AN OUTBREAK OF CONTAGIOUS BOVINE PLEUROPNEUMONIA.
A C Bygrave J E Moulton M Shifrine
Bull Epizoot Dis Afr 16(1):21-46 REF
Mar 1968 41.8 B872
Cattle, Infectious diseases, Livestock diseases, Pleuropneumonia, Serological tests.

20683-68
THE ISOLATION OF A PSITTACOSIS-LYMPHOGRANULOMA VENEREUM (PL) AGENT FROM AN EMPEROR PENGUIN (APTENODYTES FORSTERI) CHICK.
A S Cameron
Australian J Exp Biol Med Sci 46(PT 5):647-649
Oct 1968 442.8 AU7
Biological assay, Birds, Epidemiology, Miyagawanella group viruses, Wildlife pests. English abstract

20684-68
RELATIONSHIP OF DONOR AGE TO ADSORPTION OF FOOT-AND-MOUTH DISEASE VIRUS BY MOUSE TISSUES.
C H Campbell
Amer J Vet Res 29(11):2205-2212 REF
Nov 1968 41.8 AM3A
Adsorption, Aging, Animal physiology, Culture media, Foot-and-mouth disease virus, Mice, Research, Tissues, Virus diseases (animals).

20685-68
RESPIRATORY ADENOVIRUS INFECTION IN THE DOG.
R S F Campbell H Thompson H J C Cornwell N G Wright
Vet Rec 83(8):202-203
24 Aug 1968 41.8 V641
Adenoviruses, Anatomy, Animal abnormalities, Animal diseases, Dogs, Histology, Respiratory system.

20686-68
PANLEUCOPENIA.
R W Cannon
Kansas Vet 24(5):7-10
Sep 1968 41.9 K1330B
Antibiotics, Blood serum, Cats, Chemicals, Feline infectious enteritis, Immunization, Research, Temperature, Vaccines.

20687-68
SOME CONSIDERATIONS ON THE STRAIN P5A57 OF THE LIVING VIRUS ATTENDING THE PORCINE DISEASE. (FR)
J Carra
Ann Med Vet 112(5):396-426 REF
Jul 1968 41.8 AN78
Hog cholera virus, Immunization, Rabbits, Research, Swine, Tissue culture, Vaccines, Virus diseases (animals). English summary

20688-68
THE POSSIBILITY OF PRODUCING TUBERCULIN SENSITIVITY BY FEEDING POULTRY LITTER.
J A J Carriere D C Alexander K A McKay
Can Vet J 9(8):178-185
Aug 1968 41.8 R3224
Animal diseases, Chickens, Feed, Mycobacterium, Research, Tables (data), Tuberculin. French summary

20689-68
TRANSMISSION STUDIES OF SWINE LYMPHOSARCOMA: HEMATOLOGIC AND PATHOLOGIC CHANGES IN PIGS INOCULATED WITH WHOLE CELL SUSPENSIONS.
M T Case J Simon
Amer J Vet Res 29(2):263-269 REF
Feb 1968 41.8 AM3A
Hematology, Injeetions, Livestock diseases, Lymphosareoma, Swine.

20690-68
PRESENT STATUS OF IMMUNIZATION PROCEDURES FOR INFECTIOUS BOVINE RHINOTRACHEITIS.
N H Casselberry
Amer Vet Med Ass J 152(6,PT2):853-856
15 Mar 1968 41.8 AM3
Antibodies, Bovine rhinotraeheitis vaeeines, Cattle, Diagnosis, Feedlots, Immunization, Respiratory diseases.

20691-68
MYCOBACTERIUM AVIUM INFECTION IN CATTLE: A CASE SERIES.
D R Cassidy L G Morehouse H A McDaniel
Amer J Vet Res 29(2):405-410 MAP REF
Feb 1968 41.8 AM3A
Cattle, Livestock diseases, Myeobaeterium avium, Researeh, Tables (data), Tissues, Zoogeography.

20692-68
THE DISTRIBUTION OF INFECTIOUS BRONCHITIS OF CHICKENS IN SLOVAKIA. (CZ)
K Cernik V Rajtar E Cernikova
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):329-336 MAP REF
1968 41.9 C333
Biochemistry, Chiekens, Infeetious bronchitis, Virus diseases (animals), Zoogeography. English, czeeh, russian and german abstraets

20693-68
CONTRIBUTION TO THE STUDY OF EQUINE PLAGUE; ITS ACTUAL SANITARY LEGISLATION IN FRANCE. (FR)
Y Cheneau
Lyon Ecole Nat Vet These 11:86 P.
23 Feb 1967 41.2 L99
Afriean horse siekness, Diagnosis, Epidemiology, Legislation, Researeh, Sanitation, Virus diseases (animals).

20694-68
COMMENTS ON INFECTIOUS BOVINE RHINOTRACHEITIS IMMUNIZATION.
T L Chow
Amer Vet Med Ass J 152(6,PT.2):857-858
15 Mar 1968 41.8 AM3
Antibodies, Bovine rhinotraeheitis vaceines, Cattle, Diagnosis, Immunization, Respiratory diseases.

20695-68
PLAQUE FORMATION BY RHINOVIRUSES.
R M Conant N L Somerson V V Hamparian
Soc Exp Biol Med Proc 128(1):51-56 REF
May 1968 442.9 SO1
Biologieal assay, Methodology, Rhinoviruses, Tissue eulture. English abstraet

20696-68
RATION EVALUATION AND KETOSIS PREVENTION.
J F Cote
Can Vet J 9(8):191-192
Aug 1968 41.8 R3224
Animal nutrition, Dairy eattle, Feeding, Ketosis, Livestock diseases, Metaholism diseases, Minerals, Tables (data).

20697-68
ISOLATION OF A PARAINFLUENZA VIRUS FROM SENTRY DOGS WITH UPPER RESPIRATORY DISEASE.
R A Crandell W B Brumlow
Amer J Vet Res 29(11):2141-2147 REF
Nov 1968 41.8 AM3A
Dogs, Hemagglutination-inhibition test, Parainfluenza-3, Researeh, Respiratory diseases, Serologieal tests, Shipping fever, Tissue eulture, Virus diseases (animals).

20698-68
A BUFFY COAT STIMULATING EFFECT IN SERUM FROM CATTLE WITH PERSISTENT LYMPHOCYTOSIS.
R F Cross D R Redman E H Bohl
Can J Comp Med Vet Sci 32(4):600-602
Oct 1968 41.8 C162
Cattle, Cells, Hemograms, Livestoek diseases, Lymphoeytosis, Physiology, Serum.

20699-68
ABORTION IN A DONKEY ASSOCIATED WITH BRUCELLA ABORTUS.
P J Crossman M D Bonson
Vet Rec 82(21):607-608
25 May 1968 41.8 V641
Abortion, Animal breeding, Asses, Brueella abortus, Livestock diseases.

20700-68
VARYING VIRULENCE IN RABBITS INFECTED WITH DIFFERENT FILAMENTOUS TYPES OF HISTOPLASMA CAPSULATUM.
L S Daniels M D Berliner C C Campbell
J Bacteriol 96(5):1535-1539
Nov 1968 448.3 J82
Histoplasmosis, Immunology, Infeetious diseases, Rabbits, Yeasts. English abstract

20701-68
THE EFFECT OF ALTERING METABOLIC RATE ON THE MORTALITY AND INCUBATION TIME OF RABIES.
J B Enright C E Franti F L Frye D E Behymer
Soc Exp Biol Med Proc 127(4):1111-1116
Apr 1968 442.9 SO1
Bats, Epidemiology, Metabolism, Mortality, Rabies. English abstract

20702-68
ESTROGENIC FACTORS IN MOULDY GRAIN; VULVOVAGINITIS IN SWINE. (DA
E Eriksen
Nord Veterinaermed 20:396-401
Jul 1968 41.8 N813
Animal diseases, Coital exanthema, Diagnosis, Estrogens, Feed, Fusarium, Grain, Researeh, Swine. English and German and Swedish

20703-68
CHEMICAL AND MORPHOLOGICAL CHANGES IN THE BRAINS OF COPPERDEFICIENT GUINEA PIGS.
G J Everson R E Shrader T-i Wang
J Nutr 96(1):115-125 REF
Sep 1968 389.8 J82
Animal morphology, Biochemistry, Copper, Deficieney diseases, Guinea pigs, Lipids, Nervous system.

20704-68
STATISTICAL STUDIES ON SKIN TUMOURS IN DOMESTIC ANIMALS. (GE
K Frese
Zentralb Veterinarmed Reihe A 15(5):448-459 REF
Jul 1968 41.8 Z5
Animal physiology, Livestock diseases, Neoplasms, Researeh, Skin diseases, Statistieal analysis. English, Freneh, and Spanish summaries.

20705-68
IMMUNOLOGICAL SPECIFICITY OF SOLUBLE POLYSACCHARIDES OF CANDIDA ALBICANS.
Y Fukazawa N P Elinov T Shinoda T Tsuchiya
Jap J Microbiol 12(3):283-292 REF
Sep 1968 448.8 J273
Agglutination, Antibodies, Candida albieans, Chromatography, Immunochemistry, Polysaeeharides. English ahstraet

20706-68
AN OUTBREAK OF SWINE POX-LIKE DISEASE IN TOTTORI PREFECTURE JAPAN.
M Goto M Nakamatsu M Morita T Fkui
Jap J Vet Sci 30(2):61-71 REF
Apr 1968 41.8 J27
Epidemiology, Swine, Swinepox, Swinepox virus, Virus diseases (animals). Japanese translation

20707-68
AN ATTEMPT TO MODIFY SCRAPIE IN MICE BY THE ADMINISTRATION OF INTERFERON.
I Gressner I H Pattison
J Gen Virol 3(2):295-297 REF
Sep 1968 Q0R360.0A10J6
Interferon, Mice, Proteins, Serapie, Virus diseases (animals).

20708-68
A SEROLOGIC STUDY OF EQUINE INFLUENZA.
L G Halterman J M McQueen
Amer Vet Med Ass J 153(8):1069-1073 REF
15 Oct 1968 41.8 AM3
Blood tests, Equine influenza, Horses, Researeh, Respiratory system, Serological tests, Virus diseases (animals).

20709-68
INFLUENCE OF ADDED ROUGHAGE AND CHLORTETRACYCLINE TO ALLCONCENTRATE RATIONS FOR FATTENING STEERS.
R W Harvey M B Wise T N Blumer E R Barrick
J Anim Sci 27(5):1438-1444 REF
Sep 1968 49 J82
Animal nutrition, Animal physiology, Beef eattle, Chlortetraeyeline, Diet, Roughage.

20710-68
AN INVESTIGATION OF THE CONTENT OF SELENIUM AND PHOSPHORUS IN WINTER FEEDING OF LAMBS, COMPARED WITH THE OUTBREAK OF NUTRITIONAL MUSCULAR DEGENERATION IN THE SPRING. (NO)
G N Havre E Steinnes
Nord Veterinaermed 20:420-429 REF
Jul 1968 41.8 N813
Animal nutrition, Feeding, Hay, Museles, Phosphorus, Researeh, Selenium, Sheep. English, German, and Swedish summary.

20711-68
CONGENITAL HYDROPS IN MINK.
B Hemmingsen T Moller
Nord Veterinaermed 20(6):306
Jun 1968 41.8 N813
Ahnormalities, Autopsies, Environment, Hereditary diseases, Histology, Minks, Researeh. English summary

20712-68
AVIAN ENCEPHALOMYELITIS (EPIDEMIC TREMOR). I. A SURVEY OF EPIZOOTIOLOGICAL PROBLEMS AND THE FIRST OCCURRENCE OF THE INFECTION IN CROATIA. (SL)
M Hereeg M Kralj H Mazijs S Cvetnie B Marzan Z Marusie
Vet Arh 37(7-8):230-242 REF
1967 41.8 V6416
Animal physiology, Avian eneephalomyelitis, Chickens, Epizootie diseases. English, yugoslavian and freneh abstracts

20713-68
EFFECT OF DIETARY CADMIUM AND ETHYLENEDIAMINETETRAACETATE ON DRY MATTER DIGESTIBILITY AND ORGAN WEIGHTS IN ZINC DEFICIENT AND NORMAL RUMINANTS.
J M Hiers W J Miller D M Blackmon
J Dairy Sci 51(2):205-209 REF
Feh 1968 44.8 J822
Animal nutrition, Cadmium, Diet, Digestion, Ethylenediaminetetraacetic acid, Ruminants, Viscera, Zinc.

20714-68
SR-85 AND CS-134 ACTIVITY IN MILK AFTER A SINGLE CONTAMINATION OF PASTURE.
J V D Hoek R J Kirchmann
Tijdschr Diergeneesk 18(93):1121-1132 REF
15 Sep 1968 41.8 T431
Animal physiology, Cesium isotopes, Food contamination, Milk, Radioactivity, Strontium isotopes. Dutch, French, and German summaries

20715-68
CONTAGIOUS BOVINE PLEUROPNEUMONIA: DEVELOPMENT OF A SATISFACTORY AND SAFE VACCINE .
J R Hudson
Bull Epizoot Dis Afr 16(2):165-172
Jun 1968 41.8 B872
Cattle, Mycoplasma mycoides, Pleuropneumonia, Vaccines. English and french abstracts

20716-68
JOHNE'S DISEASE IN CATTLE AND VACCINATION AGAINST THIS DISEASE. (DU)
H Huitema
Tijdschr Diergeneesk 15(93):953-963
01 Aug 1968 41.8 T431
Cattle, Immunization, Johne's disease, Livestock diseases. English, French, German, and Spanish summaries

20717-68
PATHOLOGICAL STUDIES ON FAT NECROSIS (LIPOMATOSIS) IN CATTLE.
T Ito S Miura K Ohshima S Numakunai
Jap J Vet Sci 30(3):141-150
Jun 1968 41.8 J27
Animal diseases, Cattle, Chemistry, Histology, Lipomatosis, Necrosis, Neoplasms, Research, Tissues. Japanese summary

20718-68
ONCOLYTIC CAPACITY IN VIVO OF THE NEWCASTLE VIRUS WITH RESPECT TO THE YOSHIDA PERITONEAL SARCOMA. (FR)
H Jacotot
Acad Sci Compt Rend Ser D Sci Nat 264(22):2602-2603
29 May 1967 505 P21
Cancer, Mortality, Neoplasms, Newcastle disease virus, Peritoneum, Rats, Sarcoma.

20719-68
CONTRIBUTION TO THE STUDY OF STOMATITIS VIRUSES OF SHEEP. (FR
M Y Jacquot
Lyon Ecole Nat Vet These 4:76P. REF
11 Jan 1967 41.2 L99
Diagnosis, Drug therapy, Epidemiology, Research, Sheep, Stomatitis, Virus diseases (animals).

20720-68
EXPERIMENTAL MASTITIS IN LEUKOPENIC COWS: IMMUNOLOGICALLY INDUCED NEUTROPENIA AND RESPONSE TO INTRAMAMMARY INOCULATION OF AEROBACTER AEROGENES.
N C Jain O W Schalm E J Carroll J Lasmanis
Amer J Vet Res 29(11):2089-2097 REF
Nov 1968 41.8 AM3A
Aerobacter aerogenes, Cattle, Immunology, Injections, Leukopenia, Livestock diseases, Mammary glands, Mastitis, Neutropenia.

20721-68
BERENIL RESISTANCE IN NATURALLY OCCURRING TRYPANOSOMA CONGOLENSE.
W J Jones-Davies
Bull Epizoot Dis Afr 16(2):213-216
Jun 1968 41.8 B872
Berenil, Drug resistance, Glossina, Trypanosoma, Zebu cattle.

20722-68
FIELD TRIAL OF JAPANESE ENCEPHALITIS VACCINE FOR THE PREVENTION OF VIRAL STILLBIRTH AMONG PIGS IN SHIZUOKA PREFECTURE IN 1964. (JA)
A Kawakubo
Jap Vet Med Ass J 20(6):255-260 REF
1967 41.9 J275
Encephalitis, Fetal death, Japanese b encephalitis virus, Livestock diseases, Swine, Viral vaccines.

20723-68
CLASSIFICATION OF AN AVIAN VIRUS BY ELECTRON MICROSCOPY.
P N Khanna E Lund
Arch Gesamte Virusforsch 20(3):387-391 REF
1967 448.3 AR23
Adenoviruses, Chickens, Classification, Electron microscopy, Virology.
Structural features determined by electron microscopy are used to classify an avian virus as an adenovirus.

20724-68
A NEW CELL LINE OF CALF KIDNEY AND ITS SUSCEPTIBILITY TO VIRUSES.
S Kimura K Fukui N Yoshida Y Matsubara
Jap J Microbiol 12(3):293-298
Sep 1968 448.8 J273
Cells, Coxsackie viruses, Immunity, Kidneys, Poliomyelitis, Tissue culture, Virology. English abstract

20725-68
SUPPLEMENT TO THE PUBLICATION 'ON THE VARIATIONS OF FREE AMINO ACIDS AND PROTEINS IN CHICKEN EGGS AFTER PRELIMINARY TREATMENT OF KILLED SALMONELLA'. I--CONSIDERATION OF THE H2O2-CATALASE PROCESS. (GE)
G Kloos G Roeder
Arch Lebensmittelhyg 18(8):180-183
Aug 1967 41.8 L49
Amino acids, Biochemistry, Chick embryos, Enterobacteriaceae, Peroxides, Proteins, Salmonella. German abstract

20726-68
EFFECT OF HIGH LEVELS OF CARBON DIOXIDE ON PIGS INFECTED WITH PORCINE ENTEROVIRUS.
S Konishi R A Bankowski
Jap J Vet Sci 30(3):131-139 REF
Jun 1968 41.8 J27
Carbon dioxide, Injections, Nervous system diseases, Porcine enteroviruses, Serological tests, Swine. Japanese summary

20727-68
OCCURRENCE AND MORPHOLOGY OF SPONTANEOUS ARTERIOSCLEROSIS IN DOMESTIC AND WILD PIGS. (GE)
K Krieg
Zentralb Veterinarmed Reihe A 15(5):386-400 REF
Jul 1968 41.8 Z5
Aging, Animal physiology, Arteriosclerosis, Epidemiology, Histochemistry, Livestock diseases, Morphology, Research, Sex, Swine. English, French, and Spanish summary

20728-68
NATURAL DISSECTING ANEURYSM (AORTIC RUPTURE) AND BLOOD PRESSURE IN THE TURKEY.
L M Krista P E Waibel R N Shoffner J H Sautter
Nature 214(5093):1162-1163
10 Jun 1968 472 N21
Aneurysms, Animal diseases, Animal genetics, Aorta, Arteries, Blood pressure, Dissection, Hemorrhage, Mortality, Turkeys.

20729-68
BLINDNESS IN CHICKS ASSOCIATED WITH SALMONELLA TYPHIMURIUM INFECTION.
A P Laursen-Jones
Vet Rec 83(8):205
24 Aug 1968 41.8 V641
Animal abnormalities, Animal diseases, Avian lymphomatosis, Blindness, Chickens, Furmethonol, Mortality, Salmonella typhimurium.

20730-68
PROGRESS REPORT: DUCK PLAGUE SURVEILLANCE OF AMERICAN ANSERIFORMES.
L Leibovitz
Wildlife Dis Ass Bull 4(3):87-91
Jul 1968 41.9 W64B
Ducks, Environment, Epidemiology, Histology, Injections, Mortality, Reports, Research.

20731-68
RELATIONSHIP BETWEEN MAREK'S DISEASE AND COCCIDIOSIS. I. ATTEMPTED TRANSMISSION OF MAREK'S DISEASE BY AVIAN COCCIDIA.
P L Long S G Kenzy P M Biggs
Vet Rec 83(11):260-261
14 Sep 1968 41.8 V641
Avian lymphomatosis, Birds, Chickens, Coccidiosis, Eimeria acervulina, Eimeria mivati, Eimeria tenella, Injections, Virus diseases (animals).

20732-68
CLINICOPATHOLOGIC CHANGES IN PRIMARY GLAUCOMA IN THE COCKER SPANIEL.
L G Lovekin R W Bellhorn
Amer J Vet Res 29(2):379-385
Feb 1968 41.8 AM3A
Animal diseases, Breeding, Cocker spaniel dogs, Eyes, Glaucoma, Laboratory animals, Research, Tables (data).

20733-68
PRODUCTION OF A WASTING SYNDROME IN THE HAMSTER AFTER THE INNOCULATION OF BOVINE LEUKEMIC EXTRACT. (FR)
G Lussier V Pavilanis
Can J Comp Med Vet Sci 32(4):533-538 REF
Oct 1968 41.8 C162
Anemia, Animal diseases, Diagnosis, Extracts, Hamsters, Histology, Injections, Leukemia. English summary

20734-68
AFLATOXIN INDUCED SERUM ENZYME CHANGES IN CALVES. (ABSTRACT.
G P Lynch N M Jacoby
J Anim Sci 27(5):1512
Sep 1968 49 J82
Aflatoxin, Animal physiology, Cattle, Enzymes, Serum. Abstract of American Society of Animal Science meeting

20735-68
FURTHER OBSERVATIONS ON THE EFFECT OF AFLATOXIN IN CALVES. (ABSTRACT).
G P Lynch W T Shalkop G C Todd
J Anim Sci 27(5):1512-1513
Sep 1968 49 J82
Aflatoxin, Animal physiology, Cattle, Research. Abstract of American Society of Animal Science meeting

20736-68
TRANSMISSION OF RINDERPEST FROM GOATS TO CATTLE IN TANZANIA.
I Macadam
Bull Epizoot Dis Afr 16(1):53-60 REF
Mar 1968 41.8 B872
Antibodies, Cattle, Goats, Infectious diseases, Mortality, Rinderpest, Rinderpest virus, Sheep.

20737-68
SEROLOGICAL SURVEY ON INFECTIOUS RESPIRATORY DISEASES OF POULTRY IN OKINAWA.
S Machida K Ando H Kawamura
Tokyo Nat Inst Anim Health Quart 8(1):55-56 SPRING
1968 41.9 T575Q
Antibodies, Hemagglutination-inhibition test, Livestock diseases, Mycoplasma gallisepticum, Poultry, Respiratory diseases, Serological tests, Virus diseases (animals).

20738-68
A SEROLOGICAL SURVEY FOR BRUCELLOSIS IN CANADIAN SWINE.
K L Malkin J M Tailyour T R S Bhatia R M Archibaldt
Can J Comp Med Vet Sci 32(4):598-599
Oct 1968 41.8 C162
Blood, Brucellosis, Livestock diseases, Research, Serological tests, Surveys, Swine.

20739-68
CONTRIBUTION TO THE STUDY OF THE INFECTIOUS ECTHYMA IN SHEEP. (FR)
L Marquet-Hauteville
Lyon Ecole Nat Vet These 1:88 P. REF
11 Jan 1967 41.2 L99
Diagnosis, Drug therapy, Ecthyma, Epizootic diseases, Evolution, Infectious diseases, Research, Sheep.

20740-68
ANTIBODIES TO THE GROUP II LUMPY SKIN DISEASE VIRUSES IN THE SERA OF CATTLE IN KENYA.
W B Martin M Gwynne
Bull Epizoot Dis Afr 16(2):217-222
Jun 1968 41.8 B872
Allerton virus, Antibodies, Cattle, Lumpy skin disease, Serum, Virus diseases (animals). French and english abstract

20741-68
ISOLATION, CHARACTERIZATION, AND SEROLOGIC COMPARISON OF SELECTED PORCINE ENTEROVIRUSES BY PLAQUE REDUCTION TEST.
S McConnell R O Spertzel J N Shively
Amer J Vet Res 29(2):245-251 REF
Feb 1968 41.8 AM3A
Feces, Porcine enteroviruses, Research, Serological tests, Swine, Tables (data), Virus diseases (animals).

20742-68
EFFICIENCY OF ORAL AND INTRAVAGINAL ESTROUS SYNCHRONIZATION IN EWES. (ABSTRACT).
D E McCreight T L Merritt L L Wilson M C Rugh C S Shaffner
J Anim Sci 27(5):1511
Sep 1968 49 J82
Breeding, Estrus, Mouth, Reproduction, Sheep, Vagina. Abstract of American Society of Animal Science meeting

20743-68
AN OUTBREAK OF SUBCLINICAL NEWCASTLE DISEASE IN NORTHERN IRELAND.
J B McFerran W A M Gordon J T T Finlay
Vet Rec 82(21):589-592,MAP
25 May 1968 41.8 V641
Hemagglutination-inhibition test, Humane slaughtering, Newcastle disease, Poultry, Virus diseases (animals), Viruses.

20744-68
IN VIVO PRODUCTION OF A TOXIN(S) BY LISTERIA MONOCYTOGENES.
P K McIlwain R W Barnes
Amer J Vet Res 29(2):483-485
Feb 1968 41.8 AM3A
Animal diseases, Chinchillas, Culture media, Injections, Laboratory animals, Listeria monocytogenes, Research, Toxins.

20745-68
NUTRITIONAL MUSCULAR DEGENERATION (NMD) IN LAMBS. (FEED ANALYSIS, PRACTICAL PROPHYLACTIC TRIALS, REGISTRATION OF NMD). (no)
T Mikkelson M A Hansen
Nord Veterinaermed 20:402-419 REF
Jul 1968 41.8 N813
Animal nutrition, Deficiency diseases, Feed, Feed supplements, Research, Selenium, Sheep. English and German and Swedish summary.

20746-68
BOVINE LYMPHATIC LEUCOSIS IN THE NETHERLANDS; A HISTOPATHOLOGICAL STUDY. (DU)
W Misdorp D C Dodd
Tijdschr Diergeneesk 15(93):943-952 REF
01 Aug 1968 41.8 T431
Cattle, Histology, Leukemia, Livestock diseases, Lymphatic system, Neoplasms. English, French, German, and Spanish summaries

20747-68
SOME AMINO ACID NEEDS OF THE YOUNG PIG FED A SEMISYNTHETIC DIET.
J R Jr. Mitchell D E Becker B G Harmon H W Norton A H Jensen
J Anim Sci 27(5):1322-1326 REF
Sep 1968 49 J82
Amino acids, Animal nutrition, Diet, Swine.

20748-68
TRANSFER AGENT OF IMMUNITY. I. IMMUNE RIBONUCLEIC ACID WHICH INDUCES ANTIBODY FORMATION TO SALMONELLA FLAGELLA.
S Mitsuhashi S Kurashige M Kawakami T Nojima
Jap J Microbiol 12(3):261-268 REF
Sep 1968 448.8 J273
Antibodies, Flagella, Immunization, Immunochemistry, Mice, Ribonucleic acid, Salmonella enteritidis. English abstract

20749-68
ISOLATION OF A BOVINE RHINOVIRUS.
S B Mohanty M G Lillie
Soc Exp Biol Med Proc 128(3):850-852 REF
Jul 1968 442.9 SO1
Biological assay, Bovine rhinovirus, Cattle, Methodology, Ribonucleic acid, Virus diseases (animals). English abstract

20750-68
ADJUVANT VACCINES PREPARED FROM KILLED BRUCELLA ABORTUS. STRAIN 45/20.
W J B Morgan A McDiarmid
Vet Rec 83(8):184
24 Aug 1968 41.8 V641
Agglutination test, Animal diseases, Antibodies, Brucella abortus, Immunity, Research, Serological tests, Vaccines.

20751-68
INFLUENCE OF AN ORALLY ACTIVE PROGESTERONE AND DIETHYLSTILBESTROL ON LITTER SIZE AND WEIGHTS OF PIG.
M C Morrissette I T Omtvedt
Amer J Vet Res 29(2):271-273
Feb 1968 41.8 AM3A
Animal physiology, Biochemistry, Diethylstilbestrol, Drug therapy, Progesterone, Research, Swine.

20752-68
RESPONSES IN DOGS EXPOSED TO ATTENUATED RABIES VIRUS.
B L Moseley L G Morehouse L D Kintner
Amer J Vet Res 29(11):2113-2118 REF
Nov 1968 41.8 AM3A
Antibodies, Antigens, Diagnosis, Dogs, Fluorescent antibody technic, Injections, Rabies virus, Virus diseases (animals).

20753-68
CANINE NOCARDIOSIS DUE TO NOCARDIA CAVIAE.
I E Mostafa L Cerny J Cerna
Rev Elevage Med Vet Pays Trop 21(2):181-189 REF
1968 41.8 R3262
Bacterial diseases (animals), Dogs, Histology, Nocardia, Nocardiosis.

20754-68
GASTRO-ENTERITIS IN KENYA GOATS CAUSED BY GLOBIDIUM GILRUTHI.
G M Mugera P Bitakaramire
Vet Rec 82(21):595-597
25 May 1968 41.8 V641
Bunostomum, Globidiosis, Globidium gilruthi, Goats, Haemonchosis, Livestock diseases, Oesophagostomum, Strongyloides, Trichostrongylus.

20755-68
PATHOLOGY OF COCCIDIOSIS IN KENYA GOATS.
G M Mugera
Bull Epizoot Dis Afr 16(1):101-106 REF
Mar 1968 41.8 B872
Coccidiosis, Goats, Livestock diseases, Research, Sheep.

20756-68
SPOT METHOD IN AGAR FOR THE QUANTITATIVE ASSAY OF ANTISALMONELLA ANTIBODY.
M Nakano Y Kishimoto K Saito
Jap J Microbiol 12(3):364-366
Sep 1968 448.8 J273
Antibodies, Biological assay, Culture media, Diagnosis, Methodology, Rodents, Salmonella enteritidis. English abstract

20757-68
ELECTRON MICROSCOPY OF VIRUS-LIKE PARTICLES FOUND IN BOVINE LEUKEMIA.
K Nazerian R M Dutcher E P Larkin J J Tumilowicz C P Eusebio
Amer J Vet Res 29(2):387-395 REF
Feb 1968 41.8 AM3A
Cattle, Electron microscopy, Leukemia, Milk analysis, Morphology, Research, Virus diseases (animals).

20758-68
PYRIMIDINE NUCLEOTIDE METABOLISM AND PATHWAYS OF THYMIDINE TRIPHOSPHATE BIOSYNTHESIS IN SALMONELLA TYPHIMURIUM.
J Neuhard
J Bacteriol 96(5):1519-1527 REF
Nov 1968 448.3 J82
Metabolism, Nucleotides, Organophosphates, Pyrimidines, Salmonella typhimurium, Synthesis, Thymidine. English abstract

20759-68
THE RELATION BETWEEN MILK PRODUCTION AND SENSITIVITY OF THE UDDER FOR INFECTION WITH SC. AGALACTIAE. (SL)
B Okljesa M Kopljar M Sviben
Vet Arh 37(7-8):187-192
1967 41.8 V6416
Agalactia, Cattle, Lactation, Mastitis, Statistical analysis, Streptococcus agalactiae. English and german abstracts

20760-68
EXPERIMENTAL STUDIES ON ANCYLOSTOMIASIS IN CATS. VIII. DIAGNOSIS AND TREATMENT OF ANCYLOSTOMIASIS IN CATS.
S Okoshi Y Murata
Jap J Vet Sci 30(3):167-173
Jun 1968 41.8 J27
Ancylostoma tubaeforme, Ancylostomiasis, Anthelmintics, Cats, Diagnosis, Disophenol, Injections, Research, Tetrachloroethylene. Japanese summary

20761-68
CUTANEOUS AND PENILE BOVINE FIBROPAPILLOMATOSIS AND ITS CONTROL.
C Olson M G Robl L L Larson
Amer Vet Med Ass J 153(9):1189-1194 REF
01 Nov 1968 41.8 AM3
Biochemistry, Bovine papilloma virus, Cattle, Dosage, Drug therapy, Epizootic diseases, Immunization, Papilloma, Virus diseases (animals).

20762-68
CONDITIONAL LETHAL MUTANTS OF RABBITPOX VIRUS. III. TEMPERATURE-SENSITIVE (TS) MUTANTS; PHYSIOLOGICAL PROPERTIES, COMPLEMENTATION AND RECOMBINATION.
B L Padgett J K N Tomkins
Virology 36(2):161-167 REF
Oct 1968 448.8 V81
Assay, Autoradiography, Deoxyribonucleic acid, Genetics, Lethal factor, Mutation, Physiology, Rabbitpox virus, Research, Temperature, Viruses.

20763-68
ENHANCEMENT OF CANDIDA ALBICANS VIRULENCE IN MICE INFECTION AND EFFICACY OF HAMYCIN.
M V Panse
Indian J Exp Biol 5(2):112-114
Apr 1967 442.8 IN2
Animal diseases, Antibioties, Candida albieans, Drug therapy, Fungicides, Mice. English abstract

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VETERINARY EXAMINATION AND EVALUATION OF FATTENED SWINE SLAUGHTERED DURING THE ACTUAL COURSE OF RADIATION SICKNESS. (CZ
O Pawel V Kalousova P Otoupal J Vranovska
Veterinarstvi 18(8):356-359
1968 41.8 V6439
Livestock discases, Radiation, Swine.

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DIAGNOSIS OF TRANSMISSIBLE GASTROENTERITIS IN PIGS BY MEANS OF IMMUNOFLUORESCENCE.
M B Pensaert E O Haelterman T Burnstein
Can J Comp Med Vet Sci 32(4):555-561 REF
Oct 1968 41.8 C162
Animal diseases, Diagnosis, Fluorescent antibody teehnie, Gastroenteritis, Immunology, Injeetions, Researeh, Swine, Virus diseases (animals).

20766-68
A DIAGNOSTIC ANTIGEN FOR NOCARDIOSIS: COMPARATIVE TESTS IN CATTLE WITH NOCARDIOSIS AND MYCOBACTERIOSIS.
A C Pier J R Thurston A B Larsen
Amer J Vet Res 29(2):397-403 REF
Feb 1968 41.8 AM3A
Antigens, Cattle, Diagnosis, Livestock diseases, Myeobaeterium, Nocardia asteroides, Noeardiosis, Researeh.

20767-68
RELATIONSHIP OF PELLETED, AUTOCLAVED AND HEAT-EXPANDED CORN OR STARVATION TO GASTRIC ULCERS IN SWINE.
E F Pocoek H S Bayley C K Roe
J Anim Sci 27(5):1296-1302 REF
Sep 1968 49 J82
Animal diseases, Autoclaves, Corn, Diet, Starvation, Stomach, Swine, Ulcers.

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MALARIA: EXTRACELLULAR AMINO ACID REQUIREMENTS FOR IN VITRO GROWTH OF ERYTHROCYTIC FORMS OF PLASMODIUM KNOWLESI.
H Polet M E Conrad
Soc Exp Biol Med Proc 127(1):251-253
Jan 1968 442.9 SO1
Amino acids, Malaria, Metabolism, Plasmodium, Sporozoa, Tissue culture. English abstraet

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RINDERPEST PROTECTION IN CATTLE BY MEASLES VIRUS. APPLICATION IN CALVES WITH PASSIVE IMMUNITY FROM MATERIAL ANTIBODIES. (FR)
A Provost Y Mauriee C Borredon
Rev Elevage Med Vet Pays Trop 21(2):145-164 REF
1968 41.8 R3262
Antibodies, Cattle, Immunity, Measles virus, Rinderpest.

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STABILITY OF ATTENUATED CANINE DISTEMPER VACCINE DERIVED FROM CHICK EMBRYO TISSUE CULTURE.
J Prydie J Graham
Vet Rec 83(11):265-268
14 Sep 1960 41.8 V641
Canine distemper vaeeines, Distilled water, Light, Temperature, Tissue culture.

20771-68
CANINE VISCERAL LEISHMANIASIS IN IRAN.
A Rafyi Al. Niak R Naghshineh H Aboutorabian
Vet Rec 83(11):269-271
14 Sep 1968 41.8 V641
Animal diseases, Histology, Injections, Kala-azar, Lymph nodes, Microscopy, Parasitie inseets, Researeh, Tissue eulture.

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ROLE OF THE BRUCELLOSE IN THE ETIOLOGY OF ABORTIONS OF THE BOVINES. (FR)
M Raspail
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09 Jun 1967 41.2 L99
Abortion, Animal diseases, Brueellosis, Cattle, Eeonomies, Genes, Public health, Researeh, Veterinary medieine.

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LYOPHILIZED ANTI SHEEP-POX, WITH SENSITIZED VIRUS. (FR)
M Ribeiro P Surean
Inst Pasteur Algerie Arch 45:11-29 REF
1967 448.3 IN7A
Immunity, Lyophilization, Methodology, Sheep, Sheeppox, Vaeeines.

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FELINE URETHRAL OBSTRUCTION: MINERAL ASPECTS.
L J Rieh R W Kirk
Amer J Vet Res 29(11):2149-2156
Nov 1968 41.8 AM3A
Animal diseases, Assay, Cats, Diet, Hydrogen-ion coneentration, Injeetions, Mineals, Tables (data), Urogenital system.

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URACIL NUCLEOTIDE-RICH SEGMENTS IN THE NUCLEIC ACID MOLECULE OF BAI STRAIN A (MYELOBLASTOSIS) VIRUS AND THE QUESTION OF THEIR POSSIBLE PARTICIPATION IN THE SPECIFIC SHAPE OF THE ABSORBANCE-TEMPERATURE PROFILE OF HIGH MOLECULAR WEIGHT VIRUS NUCLEIC ACID (V-0RNA) IN STANDARD CITRATE BUFFER.
J Riman
Folia Biol (praha) 13(2):122-135 REF
1967 442.8 F712
Animal physiology, Biochemistry, Neoplasms, Nueleie aeids, Uraeil, Viruses. English abstraet

20776-68
AN OUTBREAK OF MUCOSAL DISEASE IN KENYA.
R W Roach
Bull Epizoot Dis Afr 16(1):81-91
Mar 1968 41.8 B872
Antibodies, Calves, Livestock diseases, Mortality, Mueosal disease.

20777-68
SEROLOGICAL INVESTIGATION OF BRUCELLOSIS IN GAME ANIMALS IN TANZANIA.
R Saehs C Staak C M Groocoek
Bull Epizoot Dis Afr 16(1):93-100 MAP REF
Mar 1968 41.8 B872
Blood serum, Brucella, Brucellosis, Researeh, Wildlife diseases.

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SOME STUDIES OF INFECTIOUS BOVINE RHINOTRACHEITIS (IBR) VIRUS INFECTION IN CALVES.
S A Sattar E H Bohl
Can J Comp Med Vet Sci 32(4):587-592 REF
Oct 1968 41.8 C162
Dairy cattle, Immunity, Infeetious bovine rhinotraeheitis virus, Research, Serum, Virus diseases (animals).

20779-68
INCIDENCE AND TYPES OF CANINE RECTAL CARCINOMAS.
E Schaffer B Sehieffer
J Small Anim Pract 9(10):491-496 REF
Oct 1968 41.8 J8292
Adenocarcinoma, Adenoma, Autopsies, Carcinoma, Dogs, Livestoek diseases, Metastasis, Mueins, Reetum.

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RHINOVIRUSES: THE ISOLATION AND CHARACTERIZATION OF THREE NEW SEROLOGIC TYPES.
J H Sehieble E H Lennette V L Fox
Soc Exp Biol Med Proc 127(1):324-328 REF
Jan 1968 442.9 SO1
Biochemistry, Respiratory diseases, Rhinoviruses, Serodiagnosis. English abstraet

20781-68
EXPRESSION AND LOCALIZATION OF ESCHERICHIA · COLI ALKALINE PHOSPHATASE SYNTHESIZED IN SALMONELLA TYPHIMURIUM CYTOPLASM.
M J Schlesinger R Olsen
J Bacteriol 96(5):1601-1605 REF
Nov 1968 448.3 J82
Alkaline phosphatase, Biochemistry, Cytoplasm, Eseheriehia eoli, Genetics, Salmonella typhimurium, Synthesis. English abstraet

20782-68
ZINC REQUIREMENT OF BABY PIGS ON CASEIN DIETS.
S H Shanklin E R Miller D E Ullrey J A Hoefer R W Lueeke
J Nutr 96(1):101-108 REF
Sep 1968 389.8 J82
Alkaline phosphatase, Animal nutrition, Baby pigs, Blood serum, Casein, Chemurgy, Defieieney diseases, Diet, Obesity, Parakeratosis, Zine.

20783-68
PRELIMINARY STUDIES ON LIVING CULTURE AND INACTIVATED VACCINES AGAINST CONTAGIOUS BOVINE PLEUROPNEUMONIA.
M Shifrine J Beeeh
Bull Epizoot Dis Afr 16(1):47-52
Mar 1968 41.8 B872
Cattle, Immunization, Infeetious diseases, Myeoplasma mycoides, Pleuropneumonia, Researeh.

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IRON INJECTION AND HAM ACCEPTABILITY.
G C Skelley D L Handlin E E Leslie
J Anim Sci 27(5):1261-1265
Sep 1968 49 J82
Agricultural regulation, Animal physiology, Injeetions, Iron, Meat.

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THE LOCATION OF THE PARASITES IN MUSCLE CYSTICERCOSIS.
J Slais
Folia Parasitol 14(3):217-223 REF
1967 436.8 C33
Animal histology, Cestoda, Cystieereus bovis, Cystieercus cellulosae, Livestock diseases, Museles, Parasitism, Swine.

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CONCENTRATION OF LIVER IRON IN CALVES AND RESPONSE TO DIETARY IRON AND DESFERRIOXAMINE.
G J St-Laurent G J Brisson
J Anim Sci 27(5):1426-1430 REF
Sep 1968 49 J82
Animal physiology, Cattle, Diet, Iron, Liver.

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VACCINATION AGAINST LEPTOSPIROSIS: IMMUNOGENICITY OF VIABLE, AVIRULENT LEPTOSPIRA POMONA IN HAMSTERS, SWINE, AND CATTLE.
O H V Stalheim
Amer J Vet Res 29(2):473-478 REF
Feb 1968 41.8 AM3A
Cattle, Hamsters, Immunity, Immunization, Leptospira pomona, Leptospirosis, Livestoek diseases, Swine, Tables (data).

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INHIBITION OF TRICHINELLA SPIRALIS COMPLEMENT FIXATION BY IMMUNE MACROGLOBULIN.
R W Stevens J T Utter M S Rubin
Soc Exp Biol Med Proc 129(3):828-831
Dec 1968 442.9 SO1
Antibodies, Complement fixation, Immunology, Trichinella spiralis. English abstract

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INFLUENCE OF SENDAI VIRUS ON RSV FORMATION IN MIXED CULTURE OF VIROGENIC MAMMALIAN CELLS AND CHICKEN FIBROBLASTS.
J Svoboda O Machala I Hlozanek
Folia Biol (praha) 13(2):155-157 REF
1967 442.8 F712
Animal physiology, Cells, Parainfluenza-1 virus, Rous sarcoma virus, Tissue culture, Viruses. English abstract

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SPIRAMYCINE IN THE TREATMENT OF BOVINE MASTITIS BY THE PARENTERAL ROUTE.
P Szokolay L Wemmert
Nord Veterinaermed 20(6):321-329
Jun 1968 41.8 N813
Antibiotics, Cattle, Injections, Mastitis, Milk analysis, Research, Spiramycin, Streptococcicosis. German and English summary

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G Terplan R Schleyerbach
Arch Lebensmittelhyg 18(9)195-200 REF
Sep 1967 41.8 L49
Agalactia, Blood coagulation, Cells, Diagnosis, Mastitis, Milk analysis, Statistical analysis. German abstract

20792-68
FILARIAL INFECTIONS OF DOGS IN ATLANTA, GEORGIA.
J P Thrasher K G Gould M J Lynch C C Harris
Amer Vet Med Ass J 153(8):1059-1063 REF
15 Oct 1968 41.8 AM3
Animal diseases, Blood, Dipetalonema reconditum, Dirofilaria immitis, Dogs, Filariasis, Research.

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ANTIBIOTICS IN VETERINARY THERAPEUTICS.
P Villemin
Cah Med Vet 37(3):67-81
May 1968 41.8 C11
Animal diseases, Antibiotics, Drug therapy, Veterinary medicine.

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EXPERIENCE WITH THE LYSINE-CARBOXYLASE REACTION IN SALMONELLA DIAGNOSIS. (GE)
G van der Wall
Arch Lebensmittelhyg 18(6):128-131 REF
Jun 1967 41.8 L49
Animal diseases, Biochemistry, Carboxylases, Diagnosis, Enterobacteriaceae, Lysine, Salmonella. German abstract

20795-68
A COMMON SURFACE ANTIGEN IN INFLUENZA VIRUSES FROM HUMAN AND AVIAN SOURCES.
R G Webster H G Pereira
J Gen Virol 3(2):201-208 REF
Sep 1968 Q0R360.0A10J6
Antigens, Birds, Human diseases, Influenza viruses, Serological tests.

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G D V D Werff
Tijdschr Diergeneesk 18(93):1133-1139
15 Sep 1968 41.8 T431
Foot rot (animals), Livestock diseases, Pest control, Sheep, Therapeutics.

20797-68
ENHANCEMENT OF INFECTIVITY OF A MAMMALIAN VIRUS PREPARATION AFTER INJECTION INTO INSECTS.
R F Whitcomb D D Jensen
Virology 34(1):182-184
Jan 1968 448.8 V81
Agallia constricta, Colladonus montanus, Insect vectors, Reoviruses, RNA, Virus diseases (animals), Virus diseases (plants).

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IN VITRO AND IN VIVO RUMEN MICROBIOLOGICAL STUDIES WITH 2-CHLORO-4,6-BIS(ISOPRO-PYLAMINO)-S-TRIAZINE (PROPAZINE).
P P Williams K L Davison E J Thacker
J Anim Sci 27(5):1472-1476 REF
Sep 1968 49 J82
Animal physiology, Culture media, Microbiology, Propazin, Research, Rumen.

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DIETARY INTERRELATIONSHIP OF COBALT AND SELENIUM IN LAMBS.
W R Wise P H Weswig O H Muth J E Oldfield
J Anim Sci 27(5):1462-1465 REF
Sep 1968 49 J82
Animal nutrition, Cobalt, Diet, Lambs, Selenium.

20800-68
FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER VI.THE OCCURRENCE OF AMBLYOMMA VARIEGATUM AND A. LEPIDUM IN THE EAST COAST FEVER ZONES.
G H Yeoman
Bull Epizoot Dis Afr 16(2):183-203 MAP REF
Jun 1968 41.8 B872
Amblyomma, Cattle, Epizootic diseases, Insect vectors, Ixodidae, Sporozoa, Theileriasis.

20801-68
FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER. V. THE OCCURRENCE OF BOOPHILUS DECLORATUS IN THE EAST COAST FEVER ZONES.
G H Yeoman
Bull Epizoot Dis Afr 16(1):7-20 MAP REF
Mar 1968 41.8 B872
Boophilus decoloratus, Cattle, Fever, Goats, Insect dissemination, Insect vectors, Ixodidae, Sheep, Theileria parva.

20802-68
COMBINED INOCULATION OF SWINE AGAINST AUJESKY'S DISEASE AND PLAGUE, AND AUJESKY'S DISEASE AND ERYSIPELAS WITH LIVE VACCINES. (CZ)
A Zuffa O Zak J Vlcek A Eollos E Wagner N Calovo
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1968 41.8 V6439
Immunization, Pseudorabies, Swine, Swine erysipelas, Swine plague, Vaccines.

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STUDIES ON ANAPLASMA OVIS INFECTION. II. PATHOGENICITY OF A NIGERIAN GOAT STRAIN FOR DUTCH SHEEP AND GOATS.
D Zwart J Buys
Bull Epizoot Dis Afr 16(1):73-80
Mar 1968 41.8 B872
Anaplasma ovis, Blood parasites, Goats, Infectious diseases, Livestock diseases, Sheep, Spleen.

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EFFECTS OF TEMPERATURE ON THE DEVELOPMENT OF THE DOG HEARTWORM, DIROFILARIA IMMITIS, IN AEDES SOLICITANS.
F D Beam
N J Mosquito Exterm Ass Proc 54:128-138 REF
Mar 1967 420 N46
Aedes sollicitans, Blood, Dirofilaria immitis, Insect physiology, Larvae, Mortality, Physiology, Research, Temperature.

20805-68
THE SUMMER AND AUTUMN DAILY ACTIVITY OF COMMON WOOD TICKS IN THE WOODS OF JEZIRKO NEAR BRNO. (GE)
I Bouckova V Dyk
Angew Parasitol 09(1):36-40
Feb 1968 436.8 AN4
Acarina, Insect ecology, Ixodes ricinus, Sheep. German, russian, english and czech abstract

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SMALL MAMMALS AND THEIR ECTOPARASITES FROM THE SCOTTISCH ISLANDS OF HANDA (SUTHERLAND), MUCK, PABAY, SCALPAY AND SOAY (INNER HEBRIDES).
G B Corbet R A D Cameron J J D Greenwood
Linn Soc London J Zool 47(312):301-307
Apr 1968 410.9 L64
Acarina, Animal ecology, Mammals, Parasitic insects, Siphonaptera, Surveys, Zoogeography. English abstract

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TRANSMISSION OF ATTENUATED AND VIRULENT BLUETONGUE VIRUS WITH CULICOIDES VARIIPENNIS INFECTED ORALLY VIA SHEEP.
N M Foster R H Jones A J Luedke
Amer J Vet Res 29(2):275-279
Feb 1968 41.8 AM3A
Bluetongue virus, Culicoides variipennis, Immunization, Infectious diseases, Insect vectors, Livestock diseases, Sheep, Virus diseases (animals).

20808-68
PIPERAZINE IN VETERINARY MEDICINE. (IT)
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Veterinaria (milano) 17(3):143-155 REF
May 1968 41.8 V6499
Anthelmintics, Drug therapy, Livestock diseases, Metabolism, Parasitism, Piperazine.

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HELMINTHOFAUNA OF DOMESTIC FOWL, PHEASANTS AND PARTRIDGES IN THE COUNTRY. (GE)
J Bejsovec
Angew Parasitol 09(1):15-20 MAP REF
Feb 1968 436.8 AN4
Helminthiasis, Pheasants, Poultry, Wildlife pests. German, russian, english and czech abstract

20810-68
BOVINE FASCIOLIASIS IN KENYA.
P K Bitakaramire
Bull Epizoot Dis Afr 16(1):107-113
Mar 1968 41.8 B872
Cattle, Fascioliasis, Liver, Research, Slaughterhouses, Trematoda.

20811-68
DIAGNOSIS OF TREMATODIASIS IN RUMINANTS (FASCIOLIASIS, PARAMPHISTOMIASIS, DICROCELIASIS) BY MODIFIED FLOTATIONSEDIMENTATION METHODS AFTER BREZA (1963). (CZ)
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Veterinarstvi 18(8):346-349
1968 41.8 V6439

Amphistomiasis, Diagnosis, Dicroceliasis, Fascioliasis, Flotation, Ruminants, Sedimentation, Trematodiasis.

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FIELD TRIALS IN HORSES WITH PYRANTEL TARTRATE.
R L Cornwell R M Jones
Vet Rec 82(21):586-587
25 May 1968 41.8 V641
Anthelmintics, Ascaris, Drug therapy, Feces, Horses, Larvae, Parascaris equorum, Parasitism, Pyrantel tartrate, Strongyloides, Toxicology.

20813-68
EFFECTS OF AN ULTRAVIOLET RADIATION ON INVASIONS OF ASCARIDIA GALLI. (CZ)
P Dubinsku
Biologia (bratislava) 23(2):138-142 REF
1968 442.8 B5265
Ascaridae, Nematodes, Poultry, Therapeutics, Ultraviolet rays. Czech, russian and german abstracts

20814-68
RECOVERY OF PORCINE LIVER FROM DAMAGE CAUSED BY MIGRATING X-IRRADIATED AND NONIRRADIATED LARVAE OF ASCARIS SUUM.
D L Ferguson C A Mebus M J Twiehaus
Amer J Vet Res 29(2):233-243
Feb 1968 41.8 AM3A
Ascaris lumbricoides suum, Dosage, Larvae, Liver, Nematodes, Swine, X-rays, Zoogeography.

20815-68
EXPERIMENTS ON THE EFFECTIVENESS OF HALOXON AGAINST TRICHINELLA SPIRALIS. (SP)
A M Fernandez M Cordero del Campillo B A Gancedo
Rev Iberica Parasitol 27(3-4):173-187 REF
Jul 1967 436.8 R32
Animal diseases, Chemical control (nematodes), Dichlorosulfamoyl)benzoic acid, p-(N,N-, Hamsters, Rats, Therapeutics, Trichinella spiralis. German, English and Spanish summaries

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20816-68
STUDIES ON THE SERUM PROTEINS IN EXPERIMENTAL FASCIOLIASIS OF SHEEP.
S Furmaga J L Gundlach
Acta Parasitol Polon 15(1-21):93-102 REF
30 Nov 1967 436.8 AC8
Biochemistry, Blood analysis, Fascioliasis, Proteins, Serodiagnosis, Sheep.

English and polish abstracts.

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REGULATION OF FEEDING IN LEECHES.
R Galun S H Kindler
Experientia 24(11):1140
15 Nov 1968 475 EX7
Animal physiology, Blood, Chemoreceptors, Feeding, Hirudinea. French abstract

20818-68
THE POSSIBLE ROLE OF THE ALGAE CLADOPHORA GLOMERATA ON THE BIOLOGICAL CONTROL OF BIOMPHALARIA BOISSYI, THE SNAIL HOST OF SCHISTOSOMA MANSONI.
M M Ishac H M Bishai
Hydrobiologia 32(1-2):168-180 REF
19 Aug 1968 410 H992
Algae, Biological control (pests), Schistosoma, Snails, Trematoda. English abstract

20819-68
STUDIES ON AVIAN MALARIA IN JAPAN. II. PATHOGENICITY OF THE PARASITE. (JAP)
K Itagaki M Tsubokura
Jap J Vet Sci 30(2):73-80 REF
Apr 1968 41.8 J27
Livestock diseases, Malaria, Parasitism, Poultry, Research. English summary

20820-68
STUDIES ON THE INTERRELATIONSHIPS BETWEEN VITAMIN A INTAKE AND DICTYOCAULUS VIVIPARUS INFECTION IN CALVES.
J B W Jackman H C Gibbs
Can Vet J 9(9):199-209 REF
Sep 1968 41.8 R3224
Cattle, Dictyocaulus viviparus, Food additives, Nematodes, Research, Tables (data), Vitamin a. French summary

20821-68
NOTES ON A COLLECTION OF NEMATODE PARASITES OF LIVESTOCK OF KARACHI.
M I Khan
Agr Pakistan 18(2):269-276
Jun 1967 22 AG832
Catalogs, Livestock, Nematodiasis.

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HISTOCHEMICAL STUDIES OF CHOLINESTERASE ACTIVITY IN PARAMPHISTOMUM CERVI AND DIPLODISCUS SUBCLAVATUS.
N Kralj A Lui
Vet Arh 37(9-10):257-261
1967 41.8 V6416
Cholinesterases, Enzymes, Histochemistry, Paramphistomum cervi, Trematoda. French and yugoslavian abstracts

20823-68
ACTIVITY OF DL-TETRAMISOLE AGAINST GASTROINTESTINAL HELMINTHS IN A CONTROLLED TEST IN LAMBS.
E T Lyons J H Drudge S C Tolliver
Amer J Vet Res 29(11):2157-2162 REF
Nov 1968 41.8 AM3A
Biochemistry, Drug therapy, Gastrointestinal system, Helminthiasis, Lambs, Preventive medicine, Tables (data), Tetramisole.

20824-68
THE OCCURRENCE OF LEUCOCYTOZOON CAULLERYI IN DOMESTIC FOWLS IN THE PHILIPPINES.
M F Manuel
Vet Rec 81(10):236-237
02 Sep 1968 41.8 V641
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Cattle, Livestock diseases, Ringworm, Trichophyton verrucosum. Japanese summary

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Ancylostomatidae, Cattle, Histology, Larvae, Nematodes. English, czech, russian and german abstracts

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Aging, Calves, Dictyocaulus viviparus, Immunity, Larvae.

English and polish abstracts.

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Calves, Dictyocaulus viviparus, Immunity, Larvae, X-rays.

English and polish abstracts.

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Botrytis cinerea, Gamma rays, Gray mold (strawberries), Heat, Storage diseases, Strawberries.

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J N Collett D L Harrison
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Animals, Chemicals, Chromatography, Insecticide residues, Insecticides, Organic compounds, Phosphorus, Plants, Tissues. Japanese summary

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Insecticide residues, Pastures, Trichlorfon. English abstract

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Greenhouses, Poisoning, Protective clothing, Spraying, Toxicology.

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W H Butler J M Barnes
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Animals, Pesticides, Poisoning.

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Dieldrin, Drugs, Insecticide residues, Rats.

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Animal physiology, Bile ducts, Biochemistry, Carbon tetrachloride, Dogs, Liver, Poisoning, Research, Tissues.

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J H Weisburger E K Weisburger
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Aflatoxin, Aspergillus flavus, Autoradiography, Cells, Culture media, Humans, Liver, Metabolism, Tissue culture.

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P W Brian
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I Camoni C D'Antonio N Gandolfo V Leoni G C Ramelli
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Acetic acid compounds, Esters, Peas, Plant biochemistry, Plant hormones, Plant physiology.

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Gibberellic acid, Plant physiology, Plant senescence, Rumex. English abstract

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S W Head
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Phytopathology 57(8):841-847 REF
Aug 1967 464.8 P56
Acetic acid, Butyric acid, Fatty acids, Plant physiology, Propionic acid, Rice, Soil bacteria, Soil moisture, Soils.

Abstract: Fatty acids occurred in statistically significant fixed ratios in order of concentration acetic greater than propionic greater than n-butyric in both soil and flood water, indicating a soil origin for the acids in flood water. Comparisons with relevant bioassay data indicated that any effects of total acids on root growth of rice and nutrient uptake will depend primarily on the concentration of acetic acid. There is no experimental proof that fatty acids cause a toxicant disease in rice.

20899-68
ANALYSIS OF THE EFFECT OF CHLORAMPHENICOL ON CORN-ROOT GROWTH.
V B Ivanov N V Obrucheva T K Litinskaya
Fiziol Rast 14(5, SEP-OCT):661-669
Oct 1967 450 F58
Chloramphenicol, Corn, Plant physiology. Russian journal- vol. 14(5):785-795, Sep.-Oct. 1967

20900-68
EFFECT OF CHLORAMPHENICOL ON PROTEIN SYNTHESIS IN LEAF DISCS.
O N Kulaeva N L Klyachko
Fiziol Rast 14(5, SEP-OCT):778-784 REF
Oct 1967 450 F58
Chloramphenicol, Plant metabolism, Plant physiology, Protein synthesis, Tobacco. Russian journal- vol. 14(5):926-929, Sep.-Oct. 1967

20901-68
SENSITIVITY OF RHIZOPUS STOLONIFER TO CHILLING.
T T Matsumoto N F Sommer
Phytopathology 57(8)0:81-884
Aug 1967 464.8 P56
Cold, Fungus diseases (plants), Rhizopus, Rhizopus stolonifer, Spore germination. R. arrhizus and R. oryzae sporangiospores appeared equally sensitive to chilling.

Abstract: Sporagiospores were inactivated by temperatures of 2.5C or below, providing germination had started. The length of the cold exposure period required to inactivate the spores decreased at lower temperatures.

20902-68
INFLUENCE OF CARBON SOURCE AND PH ON THE ACCUMULATION OF OXALIC ACID IN CULTURE FILTRATES OF SCLEROTIUM ROLFSII. (ABSTRACT).
D P Maxwell D F Bateman
Phytopathology 57(8):821
Aug 1967 464.8 P56
Carbon, Culture media, Fungus diseases (plants), Hydrogen-ion concentration, Oxalic acid, Plant biochemistry, Plant physiology, Sclerotium rolfsii.

20903-68
ALFALFA MOSAIC VIRUS: COMPARATIVE INVESTIGATION OF TOP COMPONENT A AND BOTTOM COMPONENT BY MEANS OF FINGERPRINTING AND IMMUNOLOGICAL TECHNIQUES.
J R Moed H Veldstra
Virology 36(3):459-466 REF

Nov 1968 448.8 V81
Antigens, Centrifugation, Electrophoresis, Immunization, Mosaic (alfalfa), Researeh.

20904-68
STUDIES ON THE FIXATION AND DEVELOPMENT OF CELLULAR TRANSFORMATION BY ROUS SARCOMA VIRUS.
Y Nakata J P Bader
Virology 36(3):401-410 REF
Nov 1968 448.8 V81
Cell division, Cells, Deoxyribonueleie aeid, Irradiation, Research, Rous sareoma, Thymidine.

20905-68
CONTENT OF NATURAL GIBBERELLINS IN VARIOUS ORGANS OF PLANTS IN CONNECTION WITH THEIR AGE.
V N Oozhnikova
Fiziol Rast 14(2, MAR-APR):312-313
Apr 1967 450 F58
Gibberellins, Plant physiology, Plant regulators, Plant senescenee, Tobaeeo. Russian journal- vol. 14(2):366-367, Mar.-Apr. 1967

20906-68
EVALUATION OF VARIOUS MEDIA AND ANTIMICROBIAL AGENTS FOR ISOLATION OF FUSARIUM FROM SOIL.
G C Papavizas
Phytopathology 57(8):848-852 REF
Aug 1967 464.8 P56
Antibiotics, Culture media, Fungieides, Fusarium, Soil fungi, Soils.

Abstract: Of 18 media recommended for isolation and enumeration of Fusarium spp. from soil, peptone-pentaehloronitrobenzene (PCNB) and V-8 juiee-dextrose-yeast extraet agar (VDYA) were the most valuable with the soil dilution plate method. A modified peptone-PCNB medium is reeommended for effeetive isolation and enumeration of Fusarium eolonies.

20907-68
EFFECT OF LIGHT OF VARIOUS SPECTRAL COMPOSITIONS ON SOME ASPECTS OF AUXIN METABOLISM IN CULTURES OF ISOLATED CARROT TISSUE. (RUS)
V S Polevaya
Soviet Plant Physiol 14(4):496-503 REF
Jul 1967 450 F580AE
Carrots, Indoleaeetie aeid, Light, Plant metabolism, Plant regulators.

20908-68
ISOLATION OF AN ADENOSINE-PEPTIDE NUCLEOTIDE FROM CHLAMYDOSPORES OF TILLETIA FOETIDA. (ABSTRACT).
P S Rao E D Hansing P Nordin
Phytopathology 57(8):827
Aug 1967 464.8 P56
Fungus diseases (plants), Nucleotides, Plant biochemistry, Stinking smut (wheat), Tilletia foetida, Wheat.

20909-68
APPLICATION OF ENZYME ACTIVITY TO THE MEASUREMENT OF FUNGAL GROWTH IN SOIL. (ABSTRACT).
R Rodriguez-Kabana E A Curl
Phytopathology 57(8):827
Aug 1967 464.8 P56
Enzymes, Plant physiology, Sclerotium rolfsii, Soils.

20910-68
GIBBERELLIN-LIKE SUBSTANCES FROM VEGETATIVE TISSUE OF A CONIFER, ARIZONA CYPRESS.
M Ruddat R P Pharis H Aoki A Crozier
Plant Physiol 43(12):2049-2053
Dec 1968 450 P692
Cupressus arizoniea, Gibberellins, Plant biochemistry. English abstraet

20911-68
ATRAZINE METABOLISM IN RESISTANT CORN AND SORGHUM.
R H Shimabukuro
Plant Physiol 43(12):1925-1930 REF
Dec 1968 450 P692
Atrazine, Corn, Metabolism, Plant biochemistry, Sorghum. English abstraet

20912-68
EFFECTS OF MANGANESE AND IRON APPLICATION ON THEIR SOLUBILITY, ABSORPTION AND GROWTH OF OAT PLANTS.
M Singh A N Pathak
Agrochimica 12(4):382-388 REF
Jun 1968 385 AG84
Absorption, Biochemistry, Dosage, Hydrogen-ion eoneentration, Iron sulfates, Manganese, Oats, Oxidation-reduetion potential, Plant physiology, Plant translocation, Researeh, Sodie soils, Spraying. French, German, Italian, and Spanish summaries.

20913-68
A SIMPLE METHOD FOR COMBUSTING TISSUES FOR CHLORINE-C136 ANALYSIS. (ABSTRACTED FROM ANALYT. BIOCHEM. 17(1):24-37. 1966).
G N Smith
Pesticide Progr 5(5):165
Sep 1967 79.8 P434
Chlorine, Flammability, Isotopes, Nitrie aeid, Pesticide analysis, Sulfurie aeid.

20914-68
THE INABILITY OF GIBBERELLIC ACID TO STIMULATE AMYLASE ACTIVITY IN PEA COTYLEDONS.
J I Sprent
Planta 82(3):299-301
04 Sep 1968 450 P693
Amylases, Gibberellie aeid, Leguminosae, Peas, Plant growth inhibitors, Plant metabolism, Plant regulators. English abstraet

20915-68
EFFECTS OF CYCOCEL AND B-NINE ON COLD HARDINESS OF WHEAT PLANTS.
F R Toman H L Mitchell
J Agr Food Chem 16(5):771-772
Sep 1968 381 J8223
Biochemistry, Cyeocel, Dimethylaminosuccinamic acid, N-, Measurement, Plant growth inhibitors, Plant physiology, Proteins, Tissues, Wheat.

20916-68
IDENTIFICATION OF PHYTOTOXINS OBTAINED FROM PLANT RESIDUES DECOMPOSING IN SOIL. (ABSTRACT).
T A Toussoun A R Weinhold R G Linderman Z A Patrick
Phytopathology 57(8):834
Aug 1967 464.8 P56
Barley, Benzoic acid, Cotton, Cowpeas, Deeomposition, Hydroeinnamie aeid, Phenylaeetie acid, Phenylbutyrie aeid, Plant biochemistry, Plant extracts, Plant residues, Roots, Seed germination, Soils, Soybeans, Tobacco, Toxins.

20917-68
THE EFFECT OF TEMPERATURE AND LIGHT ON SPORULATION OF HELMINTHOSPORIUM DICTYOIDES ON ARTIFICIAL MEDIA. (ABSTRACT).
J M Vargas R D Wileoxson
Phytopathology 57(8):834
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Helminthosporium dietyoides, Leaf spot (Poa pratensis), Light, Poa pratensis, Root rot (turf), Spore germination, Temperature.

20918-68
GROWTH AND ANTHOLYANIN SYNTHESIS IN EXCISED SORGHUM INTERNODES. I. EFFECTS OF GROWTH REGULATING SUBSTANCES.
D Vinee
Planta 82(3):261-279 REF
04 Sep 1968 450 P693
Anthocyanins, Chloroethyl)trimethylammonium chloride, (2-, D, 2,4-, Gibberellie aeid, Indoleaeetic acid, Light, Plant growth inhibitors, Plant physiology, Plant regulators, Sorghum, Synthesis. English abstraet

20919-68
GIBBERELLIC ACID AND THE LIGHT INHIBITION OF STEM ELONGATION.
D Vinee
Planta 75(4):291-308 REF
03 Jun 1967 450 P693
Gibberellie acid, Light, Peas, Plant growth inhibitors, Plant regulators. English abstraet

20920-68
THE MOVEMENT OF PLASMODIOPHORA BRASSICAE IN SOIL. (ABSTRACT).
A G Watson
Phytopathology 57(8):835
Aug 1967 464.8 P56
Fungus diseases (plants), Plasmodiophora brassieae, Root hairs, Soil fungi, Soils. From decayed clubbed roots.

20921-68
ULTRAVIOLET REPAIR CAPABILITIES OF AGROBACTERIUM TUMEFACIENS.
D M Yajko D R Tershak
Can J Microbiol 14(9):927-931
Sep 1968 448.8 C162
Agrobaeterium tumefaciens, Dna viruses, Enzymes, Eseheriehia eoli, Research, Ultraviolet rays, Virus diseases (plants).

CHEMISTRY

20922-68
THE EXAMINATION OF TOXAPHENE BY GAS CHROMATOGRAPHY. (ABSTRACTED FROM BULL. ENVIRON. CONTAM. TOXICOL. 1(1):21-28. 1966.
A Bevenue H Beekman
Pesticide Progr 5(5):159
Sep 1967 79.8 P434
Chromatography, Insecticide residues, Pesticide analysis, Toxaphene.

Abstraet

20923-68
COMPARATIVE EFFECTS OF TRETAMINE, TEPA, APHOLATE, AND THEIR STRUCTURAL ANALOGS ON HUMAN CHROMOSOMES IN VITRO.
T S Chang W Klassen
Chromosoma 23(3):314-323 REF
1968 442.8 C46
Apholate, Biochemistry, Chromosomes, Culture media, Ethylenimine, Human diseases, Leukocytes, Tepa, Tretamine.

20924-68
STRUCTURE AND ACTIVITY IN MOLLUSCICIDES.
J P De Villiers M M Rossouw
Nature 213(5082):1208
25 Mar 1967 472 N21
Agrieultural researeh, Molluscacides, Toxicology.

20925-68
STRUCTURE–ACTIVITY CORRELATION OF 1,2,4-TRIAZONEN, A NEW GROUP OF PHOTOSYNTHESIS INHIBITORS. (GE)
W Draber K Diekore K H Buehel A Trebst E Pistorius
Naturwissenschaften 55(9):446
Sep 1968 474 N213
Amitrole, Chemieal strueture, Herbicides, Photosynthesis.

20926-68
RECOMMENDED ANALYTICAL METHODS FOR PESTICIDES. 37. METHODS OF ANALYSIS FOR METAM-SODIUM.
Fao Plant Protect Bull 14(6):145
Dec 1966 421 P692
Assay, Chemistry, Pesticides, Sodium N-methyldithiocarbamate.

20927-68
HERBICIDAL COMPOSITION AND METHOD. PATENT 3,393,991.
P C Hamm
Us Patent Office Offic Gaz 852(4):938
23 Jul 1968 156.65 OF2
Chloro-N-isopropylacetanilide, 2-, Herbicides, Patents, Triazines.

20928-68
THE COMPATIBILITY OF ARTHROPOD REPELLENTS WITH CERTAIN FUNCTIONAL FINISHES OF COTTON UNIFORM FABRIC.
H Markarian J J Pratt J G DeMarco H K Gouck
J Econ Entomol 61(2):464-467
Apr 1968 421 J822
Armed forces, Arthropoda, Chemical warfare, Insect repellents, Textiles, Waterproofing. Army cotton cloth treated with water repellents, detoxicants for chemical warfare agents, and a fire retardant.
Abstract

20929-68
ATRAZINE AND THE NITRATE CONTENT OF CORN.
F Meggitt
Agron J 60(6):655-657 REF
Nov 1968 4 AM34P
Atrazine, Corn, Herbicide residues, Plant metabolism. English abstract

20930-68
A NEW ANTIFUNGAL SUBSTANCE PRODUCED BY MYROTHECIUM.
M Okuchi M Itoh Y Kaneko S Doi
Agr Biol Chem 32(3):394-395
Mar 1968 385 AG8B
Chemistry, Fermentation, Fungicides, Immunity, Molds, Myrothecium, Soil fungi.

20931-68
THE GAS CHROMATOGRAPHIC DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES. II. A COMPARATIVE STUDY OF HYDROLYSIS RATES.
J H Ruzicka J Thomson B B Wheals
J Chromatography 31(1):37-47 REF
Nov 1967 475 J824
Chromatography, Hydrolysis, Organophosphorus compounds, Pesticides.
Abstract

20932-68
DETECTION OF CHOLINESTERASE-INHIBITING PESTICIDES FOLLOWING SEPARATION ON THIN LAYER CHROMATOGRAMS.
W Winterlin G Walker H Frank
J Agr Food Chem 16(5):808-812 REF
Sep 1968 381 J8223
Chromatography, Hydrolysis, Metabolites, Methodology, Organic compounds, Pesticides, Phosphorus, Research.

ENGINEERING

20933-68
PRELIMINARY TRIALS WITH UCAR MIST NOZZLE.
H H C Coutts
Arusha Trop Pesticides Res Inst Misc Rep 608:3 P.
Mar 1967 423.92 G7922
Aerial spraying, Nozzles, Particle size determination, Research, Spraying equipment.

20934-68
AN EXPERIMENTAL REACTION-DRIVEN ROTARY SPRAYER FOR HELICOPTER OPERATION. (ABSTRACTED FROM TROPICAL PRODUCTS RESEARCH UNIT/PORTON DOWN REPORT NO.305).
D R Johnstone R F Hill
Pesticide Progr 5(5):163
Sep 1967 79.8 P434
Aerial spraying, Helicopters

INDUSTRY

ECONOMICS

20935-68
COOPERATIVE ACTION PROGRAM IN MERCER COUNTY, NEW JERSEY.
J A Blyman
N J Mosquito Exterm Ass Proc 54:76-80
Mar 1967 420 N46
Culicidae, Insect control, Research, Water pollution.

20936-68
A MULTIPURPOSE MOSQUITO CONTROL PROJECT- FISHING CREEK.
D M Jobbins
N J Mosquito Exterm Ass Proc 54:120-124
Mar 1967 420 N46
Aedes, Agricultural outlook, Culex, Culicidae, Insect control, Marshes, Research, Weather.

20937-68
THE VOLUME MYTH IN FORMULATED PESTICIDE SALES.
R G Van Buskirk
Farm Chem 130(11):66,68,70,7 ,74
Nov 1967 57.8 AM3
Formulations, Marketing, Pesticides.

EDUCATION

20938-68
PESTICIDE SAFETY HANDBOOK; A GUIDE FOR USERS AND AGRICULTURALISTS. SB56.0C3.
64 P. REF MONTREAL, CANADIAN AGRICULTURAL CHEMICALS AS
0000
Accident prevention, Equipment, Handbooks, Pesticide application, Pesticides, Poisoning.

REGULATIONS

20939-68
PESTICIDE REGULATIONS.
W Lamade
Agr Chem 23(10):34-35
Oct 1968 381 AG8
Accident prevention, Agricultural regulation, Biochemistry, Chemical control (pests), Legislation, Pesticide application, Pesticides.

20940-68
THE PESTICIDES PROGRAM ACTIVITIES OF THE PUBLIC HEALTH SERVICE.
S W Simmons
Public Health Rep 83(11):967-973
Nov 1968 151.65 P96
Laboratories, Pesticides, Public health administration, Research, Toxicology.

20941-68
REGULATIONS BY THE MILE.
J E Vawter
Northeast Weed Contr Conf Proc 22:149-153
03 Jan 1968 79.9 N814
Agricultural regulation, Herbicides, Pesticide application, Railroads, Spraying equipment.

ABATE
Field trials with granular abate for control of early spring aedes mosquitoes.
20374

ABNORMALITIES
A hypothesis on the subject of larval monsters in the genus Anopheles.
20348

Chromosomal aberrations induced in somatic cells of Vicia faba by pesticides.
20638

Congenital hydrops in mink.
20711

ABORTION
Abortion in a donkey associated with Brucella abortus.
20699

Role of the Brucellose in the etiology of abortions of the bovines.
20772

ABSCISSION
Chemical induction of fruit abscission in olives.
20501

ABSORPTION
Pyrethrum in peonies.
20500

Accumulation and concentration of chlorinated hyrocarbon pesticides by microorganisms in soil.
20504

Uptake and transport of systemic fungicides and bactericides.
20889

Effects of manganese and iron application on their solubility, absorption and growth of oat plants.
20912

ABSORPTION (BIOLOGICAL)
Penetration of lindane into plants of various photoperiodic groups and its biological activity depending upon the light conditions.
20637

ACARICIDES
A new acaricide to control phosphate ester resistent spider mites through resistance--induced enhanced susceptibility.
20434

ACARINA
Water mites from puddles 'Vechten'.
20173

The collection of Dr. M. Gaillard in Kolda, Senegal. Orthoptera and closely related orders.
20254

Preliminary results of a nine year investigation of Bachhydracarinen (Acari-Trombidiformes).
20302

Guide lines for the testing of materials on spider mites in vegetable beds.
20609

The summer and autumn daily activity of common wood ticks in the woods of Jezirko near Brno.
20805

Small mammals and their ectoparasites from the Scottisch islands of Handa (Sutherland), Muck, Pabay, Scalpay and Soay (Inner Hebrides).
20806

ACARINE DISEASE
Sanitary legislation of the well known contagious diseases of bees in France; loques, acarine disease, nosema disease.
20294

ACCIDENT PREVENTION
Insecticide poisoning: Danger area for the practitioner.
20875

Pesticide safety handbook; a guide for users and agriculturalists. SB56.0C3.
20938

Pesticide regulations.
20939

ACETIC ACID
Fatty acids in Louisiana rice fields.
20898

ACETIC ACID COMPOUNDS
Isolation of the methyl ester of chloro-3-indolylacetic acid from the immature seeds of the pea, Pisum sativum L.
20894

ACIDS
Fatty acid composition of the rice stem borer Chilo suppressalis Walker.
20371

Aflatoxin formation by Aspergillus flavus and Aspergillus parasiticus in a casein substrate at different pH values.
20876

Fatty acid composition of extract from pyrethrum flowers (Chrysanthemum cinerariaefolium).
20897

ACRIDIDAE
Some Californian oedipodine grasshoppers, particularly three species given the specific name occidentalis by Lawrence Bruner (Orthoptera, Acrididae).
20203

ACROBASIS CARYAE
The pecan nut casebearer, Acrobasis caryae (Lepidoptera: Pyralidae) on mockernut hickory, Carya tomentosa.
20354

ADENINE NUCLEOTIDES
Microsomal N-demethylation, by a cotton leaf oxidase system, of 3-(4'-chlorophenyl)-1,1-dimethylurea (monuron).
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ADENOCARCINOMA
Incidence and types of canine rectal carcinomas.
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ADENOMA
Incidence and types of canine rectal carcinomas.
20779

ADENOVIRUSES
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ADSORPTION
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20684

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Evening crepuscular activity of some Iowan mosquitoes (Diptera: Culicidae).
20290

Field trials with granular abate for control of early spring aedes mosquitoes.
20374

A multipurpose mosquito control project- Fishing creek.
20936

AEDES AEGYPTI
Preliminary observations concerning the absence of Aedes aegypti in Savanah, Georgia, and near-by areas.
20388

Human sweat components.-attractancy and repellency to mosquitoes.
20491

Pyrethrum in peonies.
20500

AEDES SOLLICITANS
Effects of temperature on the development of the dog heartworm, Dirofilaria immitis, in Aedes solicitans.
20804

Some effects on microcrustaceans of coastal impoundments for Aedes sollicitans control.
20850

AEDES VEXANS
A study on gonotrophic cycle of the mosquito Aedes vexans Meig. in South Moravia.
20350

Locating the eggs of Aedes vexans (Mg.) (Diptera: Culicidae).
20377

AELUROSTRONGYLUS ABSTRUSUS
Lung changes and Aelurostrongylus abstrusus infestation in English cats.
20647

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Aerial spray operations in the first U. S. Army area.
20384

Low volume aerial applications of DDT to cotton in central Tanzania 1966.
20616

Preliminary trials with UCAR mist nozzle.
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An experimental reaction-driven rotary sprayer for helicopter operation. (Abstracted from Tropical Products Research Unit/Porton Down Report no.305).
20934

AEROBACTER AEROGENES
Experimental mastitis in leukopenic cows: Immunologically induced neutropenia and response to intramammary inoculation of Aerobacter acrogenes.
20720

AFLATOXIN
A metabolite of Macrophomina phaseoli (Maubl) Ashby, with thin-layer chromatographic behavior similar to that of aflatoxin B.
20496

Aflatoxin induced serum enzyme changes in calves. (Abstract.
20734

Further observations on the effect of aflatoxin in calves. (Abstract).
20735

Carcinogenic action of groundnut meal containing aflatoxin in rats.
20868

Aflatoxin formation by Aspergillus flavus and Aspergillus parasiticus in a casein substrate at different pH values.
20876

Site of action of aflatoxin on human liver cells in culture.
20886

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Studies on the ecology of Culicoides midges--the transmitters of blue-tongue and horse-sickness.
20404

Contribution to the study of equine plague; its actual sanitary legislation in France.
20693

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Mastitis-metritis-agalactia syndrome.
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The relation between milk production and sensitivity of the udder for infection with Sc. agalactiae.
20759

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20791

AGALLIA CONSTRICTA
Enhancement of infectivity of a mammalian virus preparation after injection into insects.
20797

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Esterases of mouse brain active in hydrolyzing organophosphate and carbamate insecticides.
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Immunological specificity of soluble polysaccharides of Candida albicans.
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Adjuvant vaccines prepared from killed Brucella abortus. strain 45/20.
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Biology of Hyphantria cunea Drury (Lepidoptera: Arctiidae) in, Japan. III. Photoperiodic induction of diapause in relation to the seasonal life cycle.
20156

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Nest construction and life history of the eastern cucurbit bee, Peponapis pruinosa (Hymenoptera: Apoidea).
20387

Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminuta (Cestoda: Cyclophyllidea).
20640

Relationship of donor age to adsorption of foot-and-mouth disease virus by mouse tissues.
20684

Occurrence and morphology of spontaneous arteriosclerosis in domestic and wild pigs.
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Studies on immunity of calves to Dictyocaulus viviparus reinfection. Ii. Relationship between the age of calves and the dose of larvae causing clinical and lethal course of dictyocaulosis.
20834

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20634

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Threshold values in the economics of insect pest control in agriculture.
20509

Economically important nematodes in Ontario.
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New Jersey Mosquito Extermination association proceedings of the fifty-fourth annual meeting held March 15, 16, and 17, 1967, Atlantic City, New Jersey.
20160

The Cape May Commission builds a controlled water level facility for mosquito control.
20373

A decade of mosquito control in Maryland.
20376

Mosquito control means real estate enhancement.
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On the normal tissue transformation of Scorsonera in vitro caused by Agrobacterium tumefaciens DNA.
20540

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Survival of bean bacterial pathogens in the field and greenhouse under different environmental conditions. (Abstract).
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AIR POLLUTION

Controlling pollution. The pesticide industry takes action.
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Low volume aerial applications of DDT to cotton in central Tanzania 1966.
20616

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Insecticide toxicology; augumented suseeptibility to carbaryl toxicity in albino rats fed purified casein diets.
20645

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Herbicidally active cycloalkenyl dihydric fluoroalcohols and method of controlling weeds therewith. Patent 3,393,993.
20631

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Comparison between Adlrin and Milrex as principle ingredients of pelleted bait in control of the leaf-cutting ant: Atta sexdens rubropilosa Forel, 1908 and Atta laevigata (F. Smith, 1858) Hymenoptera, Formicidae.
20588

A bioassay technique to determine amount of termite control insecticide in soils. (Abstracted from PestControl 34(1). 32-38. 1966).
20847

Water pesticides. 2.
20851

Insecticidal laboratory studies on the sisal weevil (Scyphophorus interstitialis Gyll, Curculionidae, Colcoptera). IV. Persistence of aldrin and dieldrin in the soil.
20861

ALFALFA

Distribution of the alfalfa weevil, Hypera postica (Gyll.) in New York.
20168

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Alfalfa, clover and grass: Pests and diseases.
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The phytonome of alfalfa Hypera variabilis Herbst. (Coleoptera, Curculionidae) in southwest France.
20602

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The possible role of the algae Cladophora glomerata on the biological control of Biomphalaria boissyi, the snail host of Schistosoma mansoni.
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Expression and localization of Escherichia coli alkaline phosphatase synthesized in Salmonella typhimurium cytoplasm.
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Uniform heterokaryotypic superiority for viability in a Colorado population of Drosophila pseudoobscura.
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The use of antibody-sensitized latex particles to detect plant viruses.
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20526

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20527

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Production of exocellular polysaccharides by Alternaria solani.
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